CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Apr. 30	Oconomowoc, Wis.	Apr. 19
Apr. 30	North East, Pa.	Apr. 19
Apr. 30	Waldwick, N. J. Adv. Apr. 19 and 26.	Apr. 19
May 1	Freehold, N. J. Adv. Apr. 19 and 26.	Apr. 19
May 1	Macedon, N. Y.	Apr. 19
May 4	Cleveland, O.	Apr. 26
May 4	Phila., Pa.	Apr. 26
May 5	Brooklyn Heights (Independence P. O.), O.	Apr. 26
May 7	Napa, Calif.	Apr. 26
May 10	Hanover, Ont.	Apr. 26
May 12	Memphis, Tenn. Adv. Apr. 12 and 19.	Apr. 12
May 14	Woodville, Wis.	Apr. 26
May 15	Harrisburg, Pa. Adv. Apr. 19 and 26.	Apr. 19
May 15	Monticello, Ind.	Apr. 26
May 16	San Francisco, Calif. Adv. Apr. 19 and 26.	Apr. 19
May 18	Sidney, O. Adv. Apr. 26.	Apr. 26
May 22	Portland, Me. Adv. Apr. 26.	Apr. 26

SEWERS

Apr. 30	Morris Plains, N. J.	Apr. 19
Apr. 30	Waterloo, N. Y.	Apr. 19
Apr. 30	Falls City, Neb.	Apr. 19
Apr. 30	Long Island City, N. Y.	Apr. 26
May 1	New Jersey Adv. Apr. 19 and 26.	Apr. 19
May 1	Avon, S. D.	Apr. 19
May 2	Binghamton, N. Y.	Apr. 26
May 3	Independence, Kan.	Apr. 12
May 5	Brooklyn Heights (Independence P. O.), O.	Apr. 26
May 7	Los Angeles, Calif.	Apr. 12
May 7	Butler, N. J. Adv. Apr. 26.	Apr. 26
May 10	Elizabeth, N. J. Adv. Apr. 19 and 26.	Apr. 26
May 10	Cuba, N. Y. Adv. Apr. 26.	Apr. 26
May 15	St. Petersburg, Fla. Adv. Apr. 19 and 26.	Apr. 19
May 17	Atlantic City, N. J. Adv. Apr. 26.	Apr. 26
May 22	Marion, Wis.	Apr. 26

WASTE DISPOSAL

Apr. 28	Harrisburg, Pa.	Apr. 19
Apr. 30	West Allis, Wis.	Apr. 26

BRIDGES

Apr. 30	San Anselmo, Calif.	Apr. 12
Apr. 30	Lansing, Mich.	Apr. 19
Apr. 30	Milwaukee, Wis.	Apr. 19
Apr. 30	Illinois	Apr. 26
May 1	Alabama	Apr. 19
May 1	Indiana	Apr. 19
May 1	Washington	Apr. 19
May 1	Toronto, Ont.	Apr. 26
May 1	Greenfield, Ia.	Apr. 26
May 2	Georgia	Apr. 26
May 3	Alabama	Apr. 12
May 4	Chatham, Ont.	Apr. 26
May 7	Wentworth, N. C.	Apr. 13
May 7	Islington, Ont.	Apr. 26
May 8	Ludington, Mich.	Apr. 19
May 10	Haverhill, Mass. Adv. Apr. 19 and 26.	Apr. 19
May 15	Newcastle, Pa.	Apr. 26
May 21	Marine City, Mich. Adv. Apr. 26.	Apr. 26
Nov. 30	Sydney, Australia	Apr. 19

DAMS

May 4	Phila., Pa.	Apr. 26

EXCAVATION, DRAINAGE, IRRIGATION

May 1	Des Moines, Ia.	Apr. 19
May 1	Manitowoc, Wis.	Apr. 19
May 2	Houston, Tex.	Apr. 19
May 12	Kenosha, Wis.	Apr. 26
June 15	Albert Lea, Minn.	Apr. 12

STREETS AND ROADS

Apr. 30	Warwick, N. Y.	Apr. 12
Apr. 30	San Anselmo, Calif.	Apr. 12
Apr. 30	Elkpoint, S. D.	Apr. 19
Apr. 30	Norfolk, Va. Adv. Apr. 19 and 26.	Apr. 19
Apr. 30	Sebring, Fla.	Apr. 19
Apr. 30	Indianapolis, Ind.	Apr. 19
Apr. 30	Mitchell, S. D.	Apr. 19
Apr. 30	Akron, O.	Apr. 19
Apr. 30	Ontario	Apr. 19
Apr. 30	Pointe a la Hache, La.	Apr. 19
Apr. 30	Long Island City, N. Y.	Apr. 26
Apr. 30	Lancaster, Pa.	Apr. 26
May 1	Miami, Fla. Adv. Apr. 12 to 26.	Apr. 12
May 1	West Virginia	Apr. 12
May 1	Atchison, Kan.	Apr. 5
May 1	Washington	Apr. 5
May 1	Pennsylvania Adv. Apr. 12 to 26.	Apr. 12
May 1	Trenton, N. J.	Apr. 12
May 1	Alabama	Apr. 19
May 1	Washington	Apr. 19
May 1	Centralia, Wash.	Apr. 19
May 1	Maryland Adv. Apr. 19 and 26.	Apr. 19
May 1	Auburn, N. Y.	Apr. 19
May 1	Wisconsin	Apr. 19
May 1	Towner, N. D.	Apr. 19
May 1	Linton, N. D.	Apr. 26
May 1	Ortonville, Minn.	Apr. 19
May 1	South Dakota	Apr. 26
May 1	Canton, Miss.	Apr. 26
May 1	South Bend, Ind.	Apr. 26
May 1	New Hampshire	Apr. 26
May 2	Morristown, N. J.	Apr. 19
May 2	Mankato, Minn.	Apr. 19
May 2	Georgia	Apr. 26
May 2	Wisconsin	Apr. 26
May 2	Batavia, N. Y.	Apr. 26
May 2	Maine	Apr. 26
May 2	Baltimore, Md.	Apr. 26
May 2	Brooklyn, N. Y.	Apr. 26
May 2	Utica, N. Y.	Apr. 26
May 3	South Charleston (Charleston P. O.), W. Va.	Apr. 26
May 3	Iola, Kan.	Apr. 19
May 3	Mobile, Ala. Adv. Apr. 12 to 26.	Apr. 12
May 3	Quebec	Apr. 19
May 3	Buffalo, N. Y.	Apr. 26
May 3	Cleveland, O.	Apr. 26
May 4	Hiawatha, Kan.	Apr. 12
May 4	Winchester, Ky. Adv. Apr. 19 and 26.	Apr. 19
May 4	Bexley (Columbus P. O.), O.	Apr. 26
May 4	Breckenridge, Minn.	Apr. 26
May 4	Los Angeles, Calif.	Apr. 26
May 4	Tacoma, Wash.	Apr. 26
May 5	Seattle, Wash.	Apr. 26
May 5	Finley, N. D.	Apr. 19
May 5	Euclid, O.	Apr. 26
May 7	Warsaw, Ind.	Apr. 19
May 7	Bradentown, Fla.	Apr. 26
May 7	New Jersey Adv. Apr. 26.	Apr. 26
May 7	Olean, N. Y. Adv. Apr. 26.	Apr. 26
May 7	East Troy, Wis	Apr. 26
May 7	Woodland, Calif.	Apr. 26
May 7	San Diego, Calif.	Apr. 26
May 7	Oneonta, N. Y. Adv. Apr. 26.	Apr. 26
May 8	Cocoa, Fla.	Apr. 26
May 8	Brooksville, Fla.	Apr. 26
May 8	Michigan	Apr. 26
May 8	Indiana	Apr. 26
May 8	Ohio	Apr. 26
May 9	Ashland, R. I. Adv. Apr. 19 and 26.	Apr. 19
May 9	Oregon City, Ore.	Apr. 26
May 9	Wisconsin	Apr. 26
May 9	Kentucky	Apr. 26
May 10	Elizabethtown, Tenn.	Apr. 26
May 10	Virginia Adv. Apr. 26.	Apr. 26
May 11	Westfield, N. Y. Adv. Apr. 19 and 26.	Apr. 19
May 11	Louisiana	Apr. 26
May 15	Starke, Fla.	Apr. 19
May 15	Onawa, Ia.	Apr. 19
May 15	St. Petersburg, Fla. Adv. Apr. 19 and 26.	Apr. 19
May 15	St. Louis, Mo.	Apr. 26
May 16	San Francisco, Calif.	Apr. 26

INDUSTRIAL WORK

Apr. 30	Milwaukee, Wis.	Apr. 26
May 3	South Bend, Ind.	Apr. 26
May 7	Everett, Ind.	Apr. 26
May 8	New Lisbon, N. J.	Apr. 26
May 15	Bethlehem, Pa.	Apr. 19
May 15	Reading, Pa.	Apr. 26

BUILDINGS

Apr. 30	Norwalk, Calif.	Apr. 19
Apr. 30	Raleigh, N. C.	Apr. 19
Apr. 30	Milwaukee, Wis.	Apr. 19
Apr. 30	Grand Island, Neb.	Apr. 19
Apr. 30	Capa, S. D.	Mar. 8
Apr. 30	Algonac, Mich.	Apr. 26
Apr. 30	Appleton, Wis.	Apr. 26
Apr. 30	Minot, N. D.	Apr. 26
May 1	Mason City, Ia.	Mar. 22
May 1	Albuquerque, N. M.	Apr. 19
May 1	Kansas City, Mo.	Apr. 19
May 1	Detroit, Mich.	Apr. 26
May 1	Cleveland, O.	Apr. 26
May 1	Pittsburgh, Pa.	Apr. 26
May 1	Rock Creek, O.	Apr. 26
May 2	Baltimore, Md.	Apr. 19
May 3	Bayonne, N. J.	Apr. 26
May 3	Pleasant Hill, Mo.	Apr. 26
May 4	Cleveland, O.	Apr. 19
May 5	Hartford, Conn.	Apr. 19
May 5	Derry, Pa.	Apr. 26
May 5	Phila., Pa.	Apr. 26
May 7	Bergenfield, N. J. Adv. Apr. 26.	Apr. 26
May 7	Kansas City, Kan.	Apr. 26
May 7	Buffalo, N. Y.	Apr. 26
May 7	Elmira, N. Y.	Apr. 26
May 8	Olympia, Wash.	Apr. 19
May 8	Glen Lake (Hopkins P. O.), Minn.	Apr. 26
May 10	Pleasantville, O.	Apr. 19
May 10	Mt. Vernon, O.	Apr. 19
May 10	Athens, O.	Apr. 26
May 10	Clearfield, Pa.	Apr. 26
May 11	Hornell, N. Y.	Apr. 26
May 12	Racine, Wis.	Apr. 26
May 14	Syracuse, N. Y.	Apr. 26
May 15	Hightstown, N. J.	Apr. 26
May 17	Pulaski, Wis.	Apr. 26
May 22	Old Forge, N. Y.	Apr. 26
May 26	Columbus, O.	Apr. 26
June 1	Morgantown, W. Va.	Apr. 12

FEDERAL GOVERNMENT WORK

Apr. 30	Barges—Jacksonville, Fla. Adv. Apr. 5 to 26.	Apr. 5
Apr. 30	Dredging—Baltimore, Md. Adv. Apr. 5 to 26.	Apr. 5
Apr. 30	Post Office—Vernal, Utah.	Apr. 5
May 1	Hangars, etc. — Columbus, O. Adv. Apr. 19 and 26.	Apr. 19
May 2	Re-roofing—Mare Island, Calif.	Apr. 19
May 2	Standpipe—Lake Denmark, N. J.	Apr. 19
May 2	Pump House, etc.—Pensacola, Fla.	Apr. 19
May 2	Repairs—Wash., D. C.	Apr. 26
May 3	Superstructure — Detroit, Mich. Adv. Apr. 5 to 26.	Apr. 5
May 3	Boilers—Mankato, Minn.	Apr. 12
May 5	Metal Work — Louisville, Ky. Adv. Apr. 26.	Apr. 26
May 7	Boilers—Oteen, N. C.	Apr. 12
May 7	Dredging—Metuchen, N. J. Adv. Apr. 26.	Apr. 26
May 8	Boiler — Saratoga Springs, N. Y.	Apr. 12
May 9	Underpinning Chimney—Phila., Pa.	Apr. 19
May 9	Water Supply, etc. — St. Cloud, Minn. Adv. Apr. 19.	Apr. 19
May 9	Engine Testing Room—Phila., Pa.	Apr. 26
May 10	Post Office — Cordova, Alaska	Jan. 25
May 10	Mailing Platform — Detroit, Mich.	Apr. 19
May 11	Dredging — New York, N. Y. Adv. Apr. 19 and 26.	Apr. 12
May 11	Bear Trap Leaves—Louisville, Ky. Adv. Apr. 12 to 26.	Apr. 12
May 11	Quarters—Mobile, Ala.	Apr. 19
May 11	Boilers—Binghamton, N. Y. Adv. Apr. 19 and 26.	Apr. 19
May 12	Metal Work—Key West, Fla. Adv. Apr. 19 and 26.	Apr. 12
May 14	Dredging — Wilmington, Del. Adv. Apr. 19 and 26.	Apr. 19
May 14	Repairs—Perryville, Md. Adv. Apr. 26.	Apr. 26
May 21	Post Office — Houghton, Mich. Adv. Apr. 26.	Apr. 26
May 21	Scows—Wilmington, Del. Adv. Apr. 26.	Apr. 26
May 22	Steel Hull — Vicksburg, Miss. Adv. Apr. 26.	Apr. 26
May 23	Roads—San Diego, Calif.	Apr. 26

Bids Close		See Eng. News-Record
May 23	Storehouse—Pearl Harbor, H. T.	Apr. 26
May 24	Dredging, etc. — Chicago, Ill. Adv. Apr. 26.	Apr. 26
May 25	Hull, etc.—Louisville, Ky. Adv. Apr. 26.	Apr. 26
June 13	Refrigerating Machinery—Pearl Harbor, H. T.	Apr. 26

MISCELLANEOUS

Apr. 30	Trap Rock, etc.—Trenton, N. J.	Apr. 12
Apr. 30	Bridge Materials — Bison, S. D.	Apr. 19
Apr. 30	Scarifier—Newton, N. J.	Apr. 19
May 1	Pavilion—Sea Girt, N. J.	Apr. 19
May 1	Road Oil—Hartford, Conn. Adv. Apr. 19 and 26.	Apr. 19
May 2	Road Oil—Rhode Island	Apr. 19
May 3	Bituminous Material—Albany, N. Y. Adv. Apr. 26.	Apr. 26
May 3	Bituminous Material, etc. — Hollidaysburg, Pa.	Apr. 26
May 3	Paving Blocks — New York, N. Y.	Apr. 26
May 3	Heating and Ventilating System—Forest City, Pa.	Apr. 26
May 3	Electroliers—Fresno, Calif.	Apr. 26
May 7	Cement, etc. — Oroville, Calif.	Apr. 26
May 7	Tar, etc.—Trenton, N. J. Adv. Apr. 26.	Apr. 26
May 8	Road Oil—Fresno, Calif.	Apr. 19
May 8	Steel—Flushing, N. Y.	Apr. 26
May 9	Subway—Rochester, N. Y.	Apr. 26
May 11	Gravel—Baton Rouge, La.	Apr. 26
May 14	Chimney—Norfolk, Va. Adv. Apr. 26.	Apr. 26
May 18	Shaft—New York Adv. Apr. 26.	Apr. 26
May 23	Steel Penstock and Accessories —San Francisco, Calif. Adv. Apr. 19 and 26.	Apr. 19
June 1	Pier—Charleston, S. C. Adv. Apr. 26.	Apr. 26

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Tenn., Butler—Plans water supply system and plant; bids soon on pipe and equipment. $35,000. A. H. Queen, mayor.

O., Cleveland—Cuyahoga Co. takes bids in summer c.i. mains in Herman St., Russell and Grantwood Aves. $25,000. R. F. MacDowell, Court House, engr.

O., Cleveland—Cuyahoga Co. takes bids in fall pumping station, mains and elevated tanks for Mayfield Twp. $100,000. R. F. MacDowell, Court House, engr.

O., Columbus—See "Buildings."

O., Columbus—See "Streets and Roads."

O., Warren—Plans extending and improving water system. $48,000.

Mich., Grosse Pointe—Having plans prepared extending mains incl. 12,000 lin.ft. 6 in. c.i. pipe, valves and hydrants, etc., also 1,400 lin.ft. 8 in. vitr. crock sewer. $40,000. M. L. Brown & Son, 403-7 Capitol Bldg., Detroit, engrs.

Mich., Jackson—Plans to extend mains incl. 730 tons 6, 8 and 12 in. c.i. pipe, 55 hydrants, one hundred and sixty-three 6, 8 and 12 in. valves, 115 valve boxes, 15.5 tons fittings, 25 tons pig lead. C. Crary, city mgr.

Wis., Little Chute — Plans waterworks system, incl. deep well, pumping station, mains and meters. $120,000 bonds voted. M. Van Hoof, clk. Engineer not selected.

Wis., Milwaukee—Rejected bids laying c.i. mains throughout city. Will readvertise soon. G. Staal, city engr.

Wis., Oconomowoc—Making plans 1 mi. 4, 6 and 8 in. c. i. mains and 1 mi. 10-12 in. concrete or vitr. sewer in Oakwood, Greenland, Cherry, Washington, Oak, Westover and Forest Sts. $30,000. J. A. Stemper, City Hall, engr.

Wis., Portage — Plans new waterworks plant, pump and several deep wells. $160,000. C. J. Loomis, clk. Engineer not selected.

Minn., St. Charles—Takes bids about May 1, well and pumping equipment. C. L. Pillsbury Co., 1200 2nd Ave. S., Minneapolis, engrs.

N. D., Casselton — Voted $35,000 bonds for waterworks system. C. L. Pillsbury Co., 1200 2nd Ave., S., Minneapolis, Minn., engrs.

Tex., Edgewood—Making plans new mains, etc. P. O'Neil, c/o Municipal Eng. Co., Sumpter Bldg., Dallas, engr. $40,000. Noted Apr. 19.

Tex., Sulphur Springs — Voted $40,000 bonds for waterworks improvements. L. E. Gee, mayor. Noted Mar. 22.

Calif., Chico — Defeated $475,000 bonds to purchase and improve privately owned waterworks. F. S. Robinson, city engr. Noted Mar. 22.

Ont., Elmira—Plans new reservoir, extension to 6 in. mains, hydrants, pumps, etc. $30,000. J. H. Ruppel, city engr.

BIDS DESIRED

Me., Portland—May 22, by Trustees of Portland Water Dist., 16 Casco St., lake intake pipe, tunnel and conduit. H. U. Fuller, ch. engr.; adv. this issue.

Pa., Phila.—May 4, by F. H. Caven, dir. pub. wks., furnishing 300 fire hydrants. $12,000. C. E. Davis, City Hall, engr.

Pa., Woodlawn—Woodlawn Water Co. taking bids 1 and 3 story and basement, 56 x 115 ft. concrete pumping station and filter building, 500,000 gal. concrete coagulation basin, 300,000 gal. filtered water reservoir, two 2 m.g. and one 1 m. g. centrifugal pumps, high pressure piping, steel tanks, etc. $200,000. Morris-Knowles Co., Westinghouse Bldg., Pittsburgh, engrs.

O., Brooklyn Heights (Independence P. O.)—May 5, 4,330 ft. 4-8 in. c.i. mains. To exceed $25,000. W. H. Evers Eng. Co., Engineers Bldg., Cleveland, engrs.

O., Cleveland—May 4, concreting pockets at Crib 3, 3,900 cu.yd. rubble concrete. To exceed $25,000. A. V. Ruggles, City Hall, engr.

O., Sidney—May 18, by F. Smith, dir. Pub. Serv. extending mains. B. Coulson, city engr.; adv. this issue.

Ind., Monticello—May 15, by Common Council, City Bldg., 1 or more drilled wells, pumping station additions, two 300 g.p.m. motor driven centrifugal pumps, one 800 g.p.m. motor driven fire pump, 130 tons 4 and 6 in. mains, 1½ tons specials, laying 9,000 lin.ft. mains. J. Y. Stephenson, clk.

Wis., Woodville — May 14, by J. T. Heneppe, clk., waterworks system, incl. 11,100 lin.ft. 4-8 in. c.i. pipe, etc. $32,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engrs. Noted Nov. 30.

Calif., Napa—May 7, by City Council, constructing portion of Milliken Canyon pipe line, bids being taken for portion of work, as follows: Schedule 3, riveted sheet steel pipe, delivered f.o.b. Napa, 6,700 lin. ft. 16 in. slip joint, Item 1, 14 gage, Item 2, 16 gage, 5,300 lin.ft. 14 in. bolted couplings, Item 3, 12 gage, Item 4, 14 gage, 13,600 lin.ft. 14 in. dipped and wrapped, alternate bids for bolted coupling, slip joint and welded joint, gages 10, 11 and 12. Separate bids for flanges, hauling, distributing and laying pipe. Schedule 5, labor and equipment necessary for 13,600 lin.ft. trenching and backfill, Schedule 6, air valves, etc., Schedule 8, one 14 in. c.i. Ventura meter and various castings. A. Kempkey, Hobart Bldg., San Francisco, engr. Noted Apr. 19.

Ont., Hanover—May 10, by J. Taylor, town clk., waterworks system incl. laying mains, concrete reservoir, pumphouse, valve boxes, hydrants, centrifugal pumps, electric motors, gasoline engine, etc. $125,000. F. W. Thorold Co. Ltd., 54 Admiral Rd., Toronto, engrs.

BIDS RECEIVED

Ill., Astoria—Complete waterworks and distribution system, incl. 2 filter units, 100,000 gal. each, 4 centrifugal pumps, dam, 2 mi. 4 in. and 2 mi. 6 in. c. i. pipe, etc., from Nixon & Keeley, 21st and State Sts., East St. Louis, $60,000. Noted Mar. 15.

CONTRACTS AWARDED

N. Y., Jamestown—Bd. Water & Light Comn., City Hall, to U. S. Cast Iron Pipe & Fdry. Co., 71 Bway., New York, 8,000 ft. 6 in. c.i. pipe $59.80 per ton, 1,000 ft. 4 in. c.i. pipe $63.80, 9,000 lb. 6 in. fittings $0.06, 1,000 lb. 4 in. fittings $0.065. Noted Apr. 12.

Mich., Detroit—Bd. Water Comrs., furnishing five thousand ¾ in. disc water meters (with option of increasing order to 10,000), to Gamon Meter Co., 282 South St., Newark, N. J., $35,500.

Wis., Monroe—For 6-12 rein.-con. mains in various streets, to J. F. Icke, Washington Bldg., Madison, $15,000.

Minn., Morristown — Waterworks system, 3,670 lin.ft. 6 in. and 10,910 lin.ft. 4 in. c. i. Class B pipe, 5,500 lb. special castings, 20 fire hydrants, 7 valves and boxes, to P. D. Johnson, St. James, $18,000; well, tank, tower, pump house and machinery, to Gjellefald-Chapman Constr. Co., Forest City, Ia., $11,296. Noted Jan. 25.

Minn., Staples—For 15,000 lin.ft. mains, hydrants, valves and specials, to Roise Constr. Co., 251 Hennepin Ave., Minneapolis, $23,455. Noted Apr. 4.

Sewers

PROPOSED WORK

Conn., Hartford—Plans 10,800 ft. of 18-30 in. vitr. clay sewers in various streets. $57,000. R. N. Clark, city engr.

N. Y., Kenmore—Voted $190,000 bonds new sewerage system. Noted Mar. 8.

Tenn., Nashville — City Council appropriated $55,000 extending Browns Creek Trunk Sewer to Waverly Sect. W. W. Southgate, City Hall, engr.

O., Cleveland—Cuyahoga Co. soon takes bids trunk sewer from Brook Park and Ridge Rds. to West 54th St. and Snow Rd. $100,000. R. F. MacDowell, Court House, engr.

O., Columbus—See "Streets and Roads."

O., Columbus—See "Buildings."

Mich., Grosse Pointe—See "Waterworks."

Kan., Madison—Making plans new sewerage system and sewage disposal plant. $60,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, Okla., engrs.

Neb., Syracuse—Having plans prepared storm sewers. $25,000. Bruce & Grupe, 408 Finance Bldg., Omaha, engrs.

N. D., Casselton—Voted $35,000 bonds for sewerage system. C. L. Pillsbury Co., 1200 2nd Ave., S., Minneapolis, Minn., engrs. Noted Mar. 22.

Tex., Dallas—Voted $500,000 bonds for sewage disposal improvements and $150,000 for sanitary sewers. G. D. Fairtrace, city engr.

Tex., Houston—Takes bids in May storm sewers in Caroline St., Calumet Dr. and Blodgett Ave. $95,000, Waugh Dr. $11,000. J. C. McVea, city engr.

Tex., Houston—Voted $250,000 bonds storm sewer extensions. J. C. McVea, city engr. Noted Mar. 22.

Calif., Anaheim — Had plans prepared outfall sewerage system, 28,600 lin.ft. 30 in. and 28,300 lin.ft. 24 in. pipe. O. E. Stewart, city engr.

BIDS DESIRED

N. Y., Binghamton — May 2, by Bd. Contr. & Supply, sanitary and storm water sewers in Charles, Evans, Frederick, Yates, Medford and Robinson Sts., Mason, Howard and Snow Aves. To exceed $25,000.

N. Y., Cuba—May 10, by Bd. Village Trustees, sewerage system and sewage disposal works. Hopkins & Field, 349 Cutler Bldg., Rochester, engrs.; adv. this issue. Noted Mar. 15.

N. Y., Long Island City—Apr. 30, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in 84th St., Bliss, 95th (Chichester) and Kimball Aves., 95th St. from Rockaway Blvd. to 87th St. and 84th St. from 101st St. to Atlantic Ave.

N. J., Atlantic City—May 17, by Bd. City Comrs., City Hall, extending storm drainage system. J. W. Hackney, city engr.; adv. this issue.

N. J., Butler—May 7, by Boro Council, constructing sewers left unfinished by abandonment of previous contract. Clyde Potts, 30 Church St., New York City, engr.; adv. this issue.

N. J., Elizabeth—May 10, by Bd. Pub. Wks., vitr. and c.i. sewers along and under Elizabeth River. J. H. Fuertes, 140 Nassau St., New York City, consult. engr. T. E. Collins, city engr.; adv. this issue. Noted Nov. 2.

O., Brooklyn Heights—(Independence P. O.)—May 5, 5,470 ft. 12-30 in. vitr. clay sewers. To exceed $25,000. W. H. Evers Eng. Co., Engineers Bldg., Cleveland, engrs.

O., Cleveland—May 3, vitr. clay sewers in Rosecliff and Spring Rds., West 56th and West 58th Sts. To exceed $25,000. R. Hoffman, City Hall, engr.

Wis., Kehosha—May 12, by W. E. O'Brien, engr., 312 Main St., 10,500 ft. 8-24 in. tile sewers in Wood Rd., for Farm Drainage Bd. 1. $25,000.

Wis., Marion—May 22 (change of date), by J. K. Buhr, clk., 8,754 ft. vitr. sanitary sewers. $25,000. O. F. Weisssgerber, c/o City Hall, Appleton, engr. Noted Feb. 22.

BIDS RECEIVED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Apr. 23, sewers in Mitchell Ave., Lawson, Millard, Norwood, Ormond, Quaker and State Sts., from A. Paino, Corona, Type A $70,707; J. Gallo, 203 Division St., Brooklyn, Type B $63,122. Noted Apr. 19.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Apr. 17, sewers in (1) 147th St. (2) Summitt St. (3) 131st St. (4) Metropolitan Ave. (5) Weisse Ave. (6) Darrow St. temporary drain in (7) Jamaica Ave. sheet asphalt paving (8) Woodbine St. grading sidewalk space on (9) 109th Ave., etc., from Kennedy & Smith, Inc., 93 Amity St., Flushing, (1) $2,844 (2) $4,109; Seaside Contg. Co., Inc., 193 Beach 108th

Sewers (Continued)

St., Rockaway Beach, (3) $6,775; A. Paino, 32 Court St., Brooklyn, (4) Type A $16,203 Type B $15,673 (5) Type A $94,656 Type B $93,443 (7) Type A $14,664 Type B $14,249; Spinella & Muccinni, 6102 18th Ave., Brooklyn, (6) Type A $42,726 Type B $42,223; Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, (8) $6,848; J. J. O'Brien, Jr., William St., Jamaica, (9) $368. Noted Apr. 12.

N. J., Paterson—Passaic Valley Sewerage Comrs., 128 Market St., Newark, Apr. 17, local sewer connections in Montgomery St. and sewage controlling apparatus in Mulberry St. connection chambers, etc., here, from Spencer, White & Prentis, Inc., 47 West 42nd St., New York City, $21,890. Noted Mar. 29.

O., Akron — W. F. Peters, dir. Pub. Serv., Apr. 16, for sewers (a) brick (b) segmental block, from Schroeder & Caputo Constr. Co., 1950 West Federal St., Youngstown, 2,605 lin.ft. 30 and 36 in. in South Arlington St. Dist., Contr. 5, (a) $44,018 (b) $48,351, engrs. est. $54,884, 1,610 ft. 30 and 36 in. in South Main St. and Emerling Ave., (a) $25,158 (b) $25,273, engrs. est. $29,967; from T. Sheahan, South Potomac St., Hagerstown, Md., 3,800 lin.ft. 63 in. in West Market St., (a) $124,098, engrs. est. $125,906. Noted Apr. 5.

Mich., Detroit—Storm sewers 3848 and 3849 from A. Arcari, Detroit, (street address not available) $8,770 and $11,000 respectively; storm sewer 3857 from S. Fattore, 2201 St. Joseph St., $8,300; Lateral sewers 3832, 3901, 3902 and 3906 from Hammen & Co., 4612 Woodward Ave., $10,928, $10,840, $14,419 and $17,495 respectively; Lateral 3900 from P. Cappello, Detroit, (street address not available) $1,400; Laterals 3903 and 3904, from Western Constr. Co., 1208 Ford Bldg., $1,988 and $1,988 respectively; Lateral 3905 from T. D. Nolan, 22 Highland Ave., $4,775.

Calif., Merced—For (1) sanitary outfall sewer, 18,600 lin.ft. 24 in. pipe (2) storm sewer, 9,710 lin.ft. 12-36 in. pipe, (a) tongue and groove cement pipe (b) bell end cement pipe (c) vitr. clay pipe (d) rein.-con. pipe, from Merced Concrete Pipe Co., 16th and H Sts.,(1a) $33,549 (2a) $27,220; W. J. Tobin, 527 Santa Ray Ave., Oakland, (1b) $37,564 (1c) $50,892; H. D. Churchill Co., 350 Merrick St., Los Angeles, (1d) $51,604 (2d) $41,745; Stroud Bros., Bakersfield, (2b) $31,767. Noted Mar. 29.

Que., Montreal—For 2 x 3 brick sewers, 707 yd. in Patricia St. and 48 yd. in Tiffin St., from A. Thezand, 885 St. Catherine St., $11,582 and $1,012 respectively; 153 yd. in Decarie Blvd., 136 yd. in Faillon St. and 78 yd. in Boyce St., from Toussaint Bros., 383 St. Denis St., $2,463, $2,123 and $1,457 respectively; 212 yd. in St. Zotique St., from P. DeSantis, 3929 St. Hubert St., $4,521; 752 yd. in Eadie St., from C. Frascarelli & Co., 654 Berri St., $18,177.

CONTRACTS AWARDED

Vt., Bennington — See "Streets and Roads."

Mass., Framingham—For 7 mi. 6, 8 and 10 in. sewer pipe in Framingham and 5 mi. in Saxonville (Framingham P. O.), to R. H. Newell, Uxbridge, $115,960.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewer in Goodrich St., to Green Contg. Co., 734 Vernon Ave., Brooklyn, $9,869; 77th, 101st, 78th, 89th and 130th Sts., to E. J. Kelly, Jr., Flushing, $22,852; 117th St., to Seaside Contg. Co., 193 Beach 108th St., Rockaway Beach, $8,138. Noted Apr. 12.

Pa., Pottstown—Laying 53,050 ft. 4-18 in. vitr. sewer pipe, 5 tons c.l. pipe, etc., to D. H. Whitmer, Hagerstown, Md., (street address not available), $86,409. Noted Mar. 15.

O., Akron—W. F. Peters, dir. Pub Serv., to F. George, Mahoning Ave., Youngstown, Carpenter Heights Trunk Sewer, 1,145 lin. ft. 42 in. brick pipe $14.50 per lin.ft., 580 ft. 51 in. $20, 835 ft. 60 in. $19.50, 970 lin. ft. 66 in. $37, total $99,199, Brown St. Sewer, 650 ft. 30 in. segmental block pipe $8.25, 635 ft. 36 in. $10, 725 ft. 45 in. $12.10, 1,850 ft. 54 in. $18.65, 2,500 ft. 8 in. vitr. pipe, $0.30, total $64,048. Noted Apr. 5.

Mich., Detroit—Dept. Pub. Wks., Lateral sewers 3830 and 3895 to Western Constr. Co., 1208 Ford Bldg., $10,783 and $9,368, respectively; Laterals 3826 and 3894 to Hammen & Co., 4612 Woodward Ave., $9,530 and $11,900 respectively; Laterals 3833, 3835 and 3897 to J. Zuccola, 2808 St. Joseph Ave., $2,295, $1,810 and $1,695, respectively; Laterals 3846, 3847 and 3850 to S. Healey, Detroit (street address not available), $7,029, $7,460 and $8,135, respectively; Lateral 3820 to T. D. Nolan, 22 Highland Ave., Highland Park (Detroit, P. O.), $2,990; Lateral 3841 to S. Fattore, Detroit (street address not available), $5,500; Lateral 3845 to A. Rossi, 3447 St. Aubin Ave., $7,000; Lateral 3896 to McCordie Constr. Co., Detroit (street address not available), $8,569. Noted Apr. 19.

Wis., Milwaukee—Sewerage Comn., 508 Market St., twin outfall conduit on Jones Island, to W. H. Gillen, 902 Summit Ave., $71,000. Noted Apr. 5.

Wis., West Allis—Metropolitan Sewerage Comn., 508 Market St., Milwaukee, 9,250 ft. 30-42 in. concrete sewer from east disposal plant here to 34th and National Aves., in Milwaukee, to A. H. Prange, 101 Campau Ave., Grand Rapids, Mich., $373,880.

Kan., Frontenac—Sanitary sewerage system, to J. Stanton, 6th and Kiowa Sts., Leavenworth, $99,972. Noted Mar. 15.

Tex., Ft. Worth—For 26 cars miscellaneous vitr. sewer pipe, etc., to Texarkana Pipe Wks., P. O. Box 717, Texarkana, $40,000.

Calif., Yuba City—Sanitary sewerage system, incl. 2,900 lin.ft. 12-16 in. concrete pipe, to M. Murphy, 1321 Milvia St., Berkeley, $15,770; 2 pumping plants, 400-500 g.p.m., in connection with above, to Latourette-Fical Co., 907 Front St., Sacramento, $13,112. Noted Mar. 22.

Waste Disposal

PROPOSED WORK

N. D., Fargo—Rejected bids Apr. 13, for 35 ton incinerator. A. R. Watkins, city clk.

Calif., Marysville—Plans garbage incinerator. $15,000.

BIDS DESIRED

Wis., West Allis — Apr. 30, by A. L. Wichner, supt. pub. wks., 2 story garbage incinerator and refuse reduction plant, brick, 20 ton capacity per 16 hour day. $30,000. W. Darby, City Hall, engr. Noted Apr. 5.

BIDS RECEIVED

Wis., Sheboygan — Incinerator with 15 ton daily capacity, from H. Dollarheide, 1010 South 2nd St., Springfield, Ill., Feres 15 ton down draft furnace $18,885; Vulcan Incinerator Co., Security Bldg., St. Louis, Mo., 15 ton 1 unit single building $12,325, 15 ton 1 unit double building $17,750 Noted Feb. 15.

Bridges

PROPOSED WORK

Conn., Bristol — Plans 60 ft. concrete bridge, 2 spans, Middle St. $25,000. C. A. Buell, 173 Main St., engr.

N. Y., Rochester — Had plans prepared and purchased land for approaches for new Ridge Rd bridge, rein.-con., $300,000. Bridge complete to cost $1,200,000. C. A. Poole, city engr. Noted Jan. 11.

Pa., Milton—Northumberland Co. (Sunbury) and Union Co. (Lewisburg), plan 500 ft. rein.-con. bridge, 36 ft., from here to West Milton. $100,000. W. Frick, Lewisburg, engr. for Union Co.

Pa., New Castle—Pennsylvania R.R., Broad St. Sta., Phila., plans to replace overhead crossing, steel, on West Washington St., here, to exceed $25,000. A. C. Shand, ch. engr.

O., Toledo—Lucas Co. had plans prepared removing old 100 ft. plate girder and replacing same with 100 ft. steel plate girder, over Ten Mile Creek on Bancroft St. $34,663. Removal of old bridge separate contract. C. L. Sawyer, co. surv.

Indiana—State Hy. Dept., Indianapolis, plans steel truss bridge over Stucker Creek, Scott Co., two 150 ft. and two 75 ft. spans. $100,000. W. J. Titus, state bridge engr.

Minn., Mora—See "Streets and Roads."

Tex., Lufkin—Angelina Co. soon takes bids 279.4 ft. steel and concrete bridge over Neches River on State Highway 35. $35,-400. G. R. Baney, co. engr.

Calif., Eureka—See "Streets and Roads."

BIDS DESIRED

Virginia—See "Streets and Roads."

Pa., New Castle — May 15, by Comrs. Lawrence Co., Court House, substructure and superstructure of bridge connecting Mahoning Ave. and Moravia St. C. H. Millholland, co. engr.

Georgia—May 2, by State Hy. Dept., Atlanta, 404 ft. rein.-con. bridge over Hazel Creek on Cornelia-Clarksville Rd., Habersham Co.; 11 creosoted timber bridges and one 100 ft. steel span on Waycross-Jesup Rd., Pierce and Wayne Counties, 66,560 ft. bm untreated lumber, 89,325 ft. creosoted lumber, 7,172 lin.ft. creosoted piling or red heart piling-cypress; timber bridge on Dallas Cedartown Highway, Polk Co., 13,500 ft. creosoted and 5,200 ft. plain timber; Tar River Bridge, three 24 ft. rein.-con. girders, and Kendall Creek Bridge, three 40 ft. rein.-con. arches, both on Macon-Columbus Rd. Muscogee Co.

Ohio—See "Streets and Roads."

Mich., Marine City—May 21, by State Hy. Dept. at Dist. Office, Majestic Bldg., Port Huron, constructing Bridge 770901 on Bridge St., here. F. F. Rogers, state comr.; adv. this issue.

Illinois—Apr. 30, by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, 840 ft. bridge to have twenty-one 40 ft. rein.-con. deck girder spans, over overflow of Little Wabash River; 325 ft. bridge, one 125 ft. steel truss and five 40 ft. rein.-con. deck girder spans, over Little Muddy Creek, both in Clay Co. G. F. Burch, state bridge engr. Noted Apr. 12.

Ia., Greenfield—May 1, by Auditor Adair Co., 3 span bridge to have two 55 ft. and one 80 ft. deck arch spans, 24 ft. roadway, 5 ft. sidewalk. $40,000. C. H. Lehmkuhl, co. engr.

South Dakota—See "Streets and Roads."

Ont., Chatham—May 4, by L. A. Pardo, supt. Kent Co., 9 rein.-con. highway culverts, 8-16 ft. spans, 20 ft. roadways, 2,000 cu.yd. concrete. $30,000. W. G. McGeorge, 153 Queen St., engr.

Ont., Islington—May 7, by S. Barratt, clk. Etobicoke Twp., 2 rein.-con. highway bridges, incl. 2,000 cu.yd. concrete, 12,000 cu.yd. grading. $35,000. James, Proctor & Redfern, 36 Toronto St., Toronto, consult. engrs.

Ont., Toronto—May 1, by F. G. Engholm, engr., 56 Huntley St., 200 ft. 3 span cantilever rein.-con. arch bridge over Rosedale Ravine on Astley Ave., for York Twp., 40 Jarvis St. $135,000.

BIDS RECEIVED

N. Y., Brooklyn — Transit Comn., 49 Lafayette St., New York, Apr. 19, concrete and steel highway bridge, 9th Ave. between 37th and 38th Sts., here, Agreement CJ, from M. A. Charles, 6831 Ridge Rd., $49,900.

Pa., Johnstown—M. L. Masterson, supt. streets and pub. improvements, City Hall, Apr. 16, 276 ft. rein.-con. 3 span bridge, through plate girders each 92 ft. long, 36 ft. roadway, 2 track trolley line and 8 ft. clear sidewalk, Laurel Ave., from T. Sheehan, South Potomac St., Hagerstown, Md., $173,395; one 129 ft. bow string truss span on existing masonry extended, 36 ft. roadway, two track trolley line, and two 8 ft. sidewalks, 1st St., from Independent Bridge Constr. Co., May Bldg., Pittsburgh, $114,000. Noted Mar. 29.

Pa., Pittsburgh—Allegheny Co., Apr. 19, 770 ft. rein.-con. bridge over Jacks Run between here and Bellevue, from Vang Constr. Co., Standard Life Bldg., $388,000, alternate bid from J. F. Casey Co., Union Arcade, $381,832. Noted Apr. 12.

Florida — State Rd. Dept., Tallahassee, treated wood bridge over Popes Lake, Project 568, being west approach to Victory Bridge, Jackson Co., from E. Pettus, Montgomery, Ala. (street address not available), $96,213. Noted Apr. 12.

Wis., Appleton—Lawe St. Bridge, from C. R. Meyer & Sons Co., 50 State St., Oshkosh, $56,947; Cherry St. Viaduct, from Wausau Iron Wks., Wausau, $218,951. Noted Apr. 5.

CONTRACTS AWARDED

Massachusetts—Boston & Albany R.R., South Station, Boston, fabrication and delivery of structural steelwork, 226,000 lb. more or less Bridge 70.68, 1.08 mi. west West Brookfield, 38,000 lb. more or less, steel Bridge 142.76, Main St., Hinsdale; 38,000 lb. more or less Bridge 144.18, East Main St., Dalton, to Fortpitt Bridge Co., 29 Bway., New York City. Noted Apr. 5.

Louisiana—State Hy. Comn., Reymond Bldg., Baton Rouge, three 100 ft. steel spans, two 80 ft. steel spans, one 50 ft. plate girder, 481 ft. creosote timber trestle, one 5 x 16 ft. concrete culvert, and reflooring one 120 ft. bridge, on Federal Aid Project 117, Sect. C, Madison Co., to Austin Bros. Bridge Co., 1813 Clarence St., Dallas, Tex., $84,923. Noted Mar. 22.

O., Painesville—Lake Co., 450 ft. concrete bridge with two 90 ft. spans, over Grand River, to N. R. Porterfield, 411 Federal Bldg., Youngstown, $130,000. Engrs. est. $155,000. Noted Mar. 22.

Ill., Kankakee—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, 350 ft. rein.-con. arch bridge, five 70 ft. spans, 33 ft. roadway, two 5½ ft. sidewalks, here, to Miller-Fifield Constr. Co., L and J Bldg., Waterloo, Ia., $112,619. Noted Mar. 29 under "Illinois."

North Dakota—See "Streets and Roads."

Missouri—State Hy. Dept., Jefferson City, to Hogan & Humphreys, Fredericktown, bridges over Buckskin and Little White Water Creeks $19,708, Little Muddy Creek $9,422; to Cook-O'Brien Constr. Co., 305 Ry. Exch. Bldg., Kansas City, on Stations 370 plus 54, 377 plus 50 and 528 plus 33 $27,797, Blackwater River $40,021, Davis Creek $16,680, on Sta. 528 plus 17 $9,315; to L. Rich Constr. Co., East St. Louis, Ill., on Stations 611 plus 60, 50 plus 08, 162 plus 39 and 584 plus 45 $21,417, Glaize

Bridges (Continued)

Creek $23,113, Tom Creek $18,313, Mud and Tom Creeks, $28,790; to Vincennes Bridge Co., Vincennes, Ind., Loter Hollow Branch $10,314, Little Piney River $65,475; to Muskogee Contg. Co., 223 Cole Bldg., Tulsa, Okla., Big White Water Creek, $32,402, Byrds and Cain Creeks, $28,840; to Cameron, Joyce & Co., Keokuk, Ia., Bawdry Lake $32,363, Salt River $9,393; to Baker & Koontz, Carthage, Turnback Creek $22,781, Johnson Creek $14,887, Billies Creek $10,799; to R. P. Harper Constr. Co., Leona, Kan., on Sta. 50 plus 44 $9,831, two over Nodaway River $37,217 and $22,463 respectively; to V. E. Koch, Box 604, Joplin, Sycamore Hollow $5,595; to J. H. Roach Co., Anderson, on Stations 10 plus 00 and 160 plus 75 $7,223; to Miller Constr. Co., Springfield (street address not available), Hooker Branch $8,310; to Abell & Co., Linneus, over branch of Fabius River $6,184; to St. Louis Constr. Co., 743 Frisco Bldg., St. Louis, Old Mines and Salt Pine Creeks $18,695; to Pittsburgh-Des Moines Steel Co., Tuttle and Southwest 10th St., Des Moines, Ia., Cedar Creek $34,421; to J. H. Clark, Nevada, Dix Creek $8,239; to J. H. Hewitt, Little Rock, Ark. (street address not available), Saline Creek $11,435; to Harrison Eng. & Constr. Co., Wichita, Kan. (street address not available), Drainage Ditches 8, 26 and 27 $19,791. Noted Apr. 19.

Colo., Denver—Will build 16th St. viaduct, rein.-con. superstructure and rein.-con. decking upon steel, 8,650 cu.yd. rein.-con., 1,287,000 lb. reinforcing, 64,000 lb. miscellaneous metal, by day labor. $260,000. H. S. Crocker, Tramway Bldg., engr.

Alaska—Bridges—Alaskan Eng. Comn., 422 Bell St. Terminal, Seattle, Wash., one 60 ft. through plate steel girder bridge (45 tons), over Montana Creek, and one 308 ft. steel viaduct, two 40 ft., two 74 ft. and one 80 ft. span, 2 steel towers (220 tons), to Amer. Bridge Co., Ambridge, Pa., $.0372 per lb. Noted Dec. 28.

Dams

PROPOSED WORK

Pa., Pottsville—Pottsville Water Co. plans 400,000,000 gal. storage dam, 100 ft. high, near here. $400,000. Gannett, Seelye & Fleming Inc., 1 North Market Sq., Harrisburg, engrs.

N. C., Andrews—See "Miscellaneous."

BIDS DESIRED

Pa., Phila.—May 4, by F. H. Caven, dir. pub. wks., masonry dam incl. 12,000 cu.yd. excav., 8,000 cu.yd. rock excav., 26,000 cu. yd. cyclopean masonry, etc., $600,000. C. E. Davis, City Hall, engr.

BIDS RECEIVED

Calif., Oroville—Oroville-Wyandotte Irrigation Dist., furnishing labor to construct Los Creek Storage Works—(dam), materials to be furnished by district, from Lord & Bishop, 333 Randolph St., Napa, $58,768. Noted Mar. 22.

CONTRACTS AWARDED

Pa., Shamokin—Bear Gap Water Co., Shamokin, 700,000,000 gal. earth and rock fill dam on south branch of Roaring Creek, 75 ft. high, to Gannett, Seelye & Fleming Inc., 1 North Market Sq., Harrisburg. $200,000.

Railways

PROPOSED WORK

New York—Elmira Water, Light & R.R. Co. plans new tracks and repaving between tracks. $165,000. F. H. Hill, c/o owner, genl. mgr.

New York—Fonda, Johnstown & Gloversville R.R., Gloversville, plans rebuilding tracks on Division and other streets, in Amsterdam. $62,500. J. L. Hees, Gloversville, pres.

Pennsylvania — Western Maryland Ry., Hiln Sta., Baltimore, Md., having surveys made for branch line from Meyersdale, Somerset Co., Pa., to Jennings, Md. H. R. Pratt, Baltimore, Md., ch. engr.

California—Electro-Metals Co., Somesbar, plans 35 mi. standard gage line between Trinidad and Somesbar. $1,000,000. A. Langford, Somesbar, ch. engr.

Ontario—Kitchener Light Comn., Kitchener, plans to double track part of line in Waterloo from Union to William Sts. $30,000. E. Fries, c/o owner, engr.

Ontario—Nipissing Central Ry., North Bay, plans electric line eastward from New Liskeard into Quebec and then northward to Larder Lake, ultimately connecting with Temiskaming & Northern Ontario Ry. branch from Dane, 60-80 mi. long, probably 60 lb. rails. $3,000,000. S. B. Clement, ch. engr.

Ontario — Temiskaming & Northern Ontario Ry., North Bay, soon takes bids electric branch line from either Dane or Swastika stations eastward to Larder Lake, (25 mi. single line, probably 80 lb. rails) $800,000. S. B. Clement, ch. engr.

CONTRACTS AWARDED

Montana—Northern Pacific Ry. Co., 5th and Jackson Sts., St. Paul, Minn., single track road from point 6 mi. west of Forsyth southwest into Rosebud coal field, to Winston Bros., 801 Globe Bldg., Minneapolis, Minn. Total cost $500,000. (Owner furnishes steel.)

California—Western Pacific R.R., Mills Bldg., San Francisco, constructing 8 mi. track in vicinity of Gerlach, to W. A. Bechtel, 618 Estudillo Ave., San Leandro.

Excavation, Drainage Irrigation

PROPOSED WORK

La., Gretna—Jefferson D. D. 4 plans to drain 30,000 acres in Jefferson Parish. $1,500,000. A. T. Dusenbury, Marine Bank Bldg., New Orleans, consult. engr.

La., Monroe—Ouachita Parish plans election to vote on $800,000 bonds for system to drain $200,000 acres.

Ark., Texarkana—McKinney Bayou D.D., Miller Co., had preliminary plans made for ditches, levees, sluiceway, etc., to reclaim 30,000 acres in Red River Valley. $380,000. Morgan Eng. Co., Goodwyn Institute, Memphis, Tenn., engrs.

BIDS RECEIVED

N. Y., New York—Commissioner Docks, Pier "A" North River, dredging between West 97th and West 99th Sts., Contr. 1799, from Taylor Dredging Co., foot Communipaw Ave., Jersey City, N. J., $103,500. Noted Apr. 5.

Calif., Oroville—Oroville-Wyandotte Irrigation Dist., constructing Oroville lateral, from A. Mitchell, 2617 U St., Sacramento, $9,990; 24 in. syphon for above, from Redwood Manufactures Co., Hobart Bldg., San Francisco, $12,251. Noted Apr. 5.

CONTRACTS AWARDED

Ill., Beardstown — South Beardstown Drainage and Levee Dist., 1st State Bank Bldg., enlarging Old Sand Levee from Sta. 0 to 67, and Old Dirt Levee from Sta. 67 to 329, etc., to J. Bell, Rushville, 14,000 cu.yd. at $0.50 per yard. Noted Mar. 8.

Ill., Winchester—Scott Co. Drainage and Levee Dist., raising and strengthening levees of district, 443,327 cu.yd. excav., to McWilliams Dredging Co., 332 South Michigan Ave., Chicago, $75,366. Noted Mar. 15.

Wis., Madison—Hotel Wisconsin Realty Co., 86 Michigan St., Milwaukee, excavation work for 8 story, 132 x 144 ft., brick and concrete hotel, plain foundation, to N. Quinn, 515 West Johnson St. Total $1,000,000.

Minn., Benson—Swift Co., Judicial Ditch 8, 1,429,000 cu.yd. excav., 118 mi. 5-28 in. tile, to Camden Constr. Co., Benson, $413,500. Noted Jan. 19.

Mont., Chinook—Zurich Irrigation Dist., Zurich, main canal in Ft. Belknap, Alfalfa and Zurich Irrigation Dists., in Milk River Valley, 3,000 cu.yd. concrete, 150,000 lb. reinforcing and 16,000 lb. structural steel, 1,500 sq.yd. paving, 145,000 ft. lumber, 1,550 lin.ft. steel flume, 2,000 lin.ft. steel pipe, etc. to Winston Bros., 801 Globe Bldg., Minneapolis, Minn., $248,218. Noted Mar. 22.

B. C., Vancouver—Will dredge, excavate and lay 18 in. flexible steel pipe across False Creek near Connaught Bridge, by day labor. $58,086. F. L. Fellowes, city engr. Noted Mar. 29.

Calif., Oroville—Thermalito Irrigation Dist., furnishing 4-24 in. riveted slip joint pipe for irrigation project, to Montague Pipe & Steel Co., Hobart Bldg., San Francisco, $71,790. Noted Apr. 19.

Streets and Roads

PROPOSED WORK

Conn., New Britain—State Bd. Educ., Hartford, plans to grade and lay concrete walks around normal school. $30,000.

New York—F. S. Greene, comr. State Hy. Dept., Albany, received no bids Apr. 20, reconstructing 7.1 mi. highways in Columbia, Ulster and Oneida Counties. Noted Apr. 12.

N. Y., Elmira—See "Railways under New York."

N. J., Belvidere—Warren Co. plans paving 1 mi. road through Alpha to Bloomsbury Pike, 18 ft. $50,000. H. W. Vetter, Belvidere, engr.

N. J., New Brunswick—Middlesex Co. plans reconstructing 1 mi. Aqueduct-Plainsboro-Cranberry Rd. and ½ mi. Stelton-New Market Rd., rein.-con. A. B. Fox, 175 Smith St., Perth Amboy, engr.

N. J., Trenton—Hamilton Twp. plans 18,600 lin.ft. concrete curb and 35,600 sq.ft. sidewalks at White Horse, and 50,000 ft. curb and gutters and 26,000 ft. sidewalks at Yardville. $50,000. Sincerbeaux & Moore, Amer. Mechanic Bldg., engrs.

Pa., Meadville—Plans to pave 17 mi. roads, various materials. Engineer not announced.

Fla., Bradentown — Manatee Co. rejected bids, Mar. 12, sand-clay surfacing 32 mi. Sandy Rd., etc., Miakaa Special Road and Bridge Dist., $50,000; paving with macadam 16 mi. Miakka-De Soto Co. line Rd., $100,000. McElroy Eng., Co., Giddens Bldg., Tampa, engrs. Noted Mar. 1.

Fla., Cocoa—Plans election to vote on $33,000 bonds repaving and reoiling various streets and paving Florida Ave., et al. J. J. Bracco, city clk.

Tennessee—State Hy. Dept., Nashville, had surveys made 9.91 mi. road from Cleveland to Hamilton Co. line. D. Q. McCombs, Nashville, ch. engr.

Tenn., Martin—Plans to expend $150,000 paving streets and sidewalks, guttering and curbing. D. N. Harper, mayor.

Tenn., Nashville—Soon takes bids paving 10 streets and avenues, rock asphalt, granite or bituminous concrete. $200,000. W. W. Southgate, city engr.

Ky., Henderson—Henderson Co. plans constructing various roads, probably gravel, $65,000-$70,000. E. W. Hopkins, co. engr.

Ky., Ludlow—Plans paving 3,000 ft. Elm St., 36 ft., various types. $40,000. Glazier & Morlidge, 20 Miller Bldg., Cincinnati, O., engrs.

Ky., Whitesburg—Letcher Co. plans to construct 12 mi. Cumberland Mt.-Cumberland River Highway. $300,000.

O., Akron—W. S. Peters, dir. Pub. Serv., opens bids about June 1, grading and repaving 1,400 ft. South Arlington St., 44 ft., $40,000; paving and laying sidewalks on 2,400 ft. Delia Ave., 24 ft., $83,000; curbing, laying sidewalks and repaving 715 ft. West Market St., 70 ft., $50,000; 1,800 ft. Stanton Ave., 28 ft., $60,000, all foregoing vitr. brick or asphalt; grading and laying 50,000 sq.ft. 4 in. cement sidewalks on Bacon, Fried and Noble Sts., $39,000. E. A. Kemmler, Delaware Bldg., engr.

O., Akron—S. Porter, clk., Summit Co., takes bids about June 1, grading and paving 14.42 mi. Richfield-Hudson Rd., Sect. E1-2 and F, Richfield-Hudson Rd. 19, Sect. G, Barberton-Springfield Rd. 14, Sect. A2 and B, Barberton-Springfield Rd. 14, Sect. D and Cleveland-East Liverpool Rd. 12, macadam, asphalt, brick or bituminous concrete. $563,000. J. Weaver, Court House, engr.

O., Cedarville—Plans paving North Main St. $29,000 bonds sold. J. McCorkell, village clk.

O., Cleveland—Cuyahoga Co. had plans prepared grading, curbing and paving Cedar Rd. 2 and 3, waterbound macadam. To exceed $100,000. F. Lander, Court House, engr.

O., Cleveland—Cuyahoga Co. plans grading and paving Cedar Rd. 4, Edgerton Rd. 1, Fitzwater-River and Gessmer Rds., brick, asphalt or waterbound macadam. $200,000. F. Lander, Court House, engr.

O., Cleveland—Cuyahoga Co. plans grading and paving Lorain Ave. 2, Miller and Mills Rds., brick or waterbound macadam. $200,000. F. Lander, Court House, engr.

O., Columbus — Making plans grading, laying necessary water services and sewer connections and paving 3,469 ft. Pearl St., Chittenden Ave. and alley west of Warren Ave., brick, concrete or asphalt. R. H. Simpson, city engr.

O., Columbus—R. W. Smith, clk. Franklin Co. soon takes bids resurfacing 8.35 mi. Stimmel, Sunbury, Avery and Dublin Rds., 16 ft., waterbound macadam. $142,000. C. C. Lattimer, Court House, co. engr.

Ind., Albion — Noble Co. plans grading and graveling 15,624 ft. Lucas Rd., 18 ft., $26,263; 15,715 ft. Bender Rd., 18 ft., $25,915. W. T. Knox, Albion, engr.

Ind., Ft. Wayne—Allen Co. plans grading and graveling 15,241 ft. Rodenbeck Rd., 18 ft. $25,500. O. M. Darling, Ft. Wayne, engr.

Ind., South Bend—Soon takes bids paving Ohio, Pulaski, Sorin and Sadie Sts. $53,072, St. Peter St. $45,748, Notre Dame Ave. $70,968. F. J. Anderson, City Hall, engr.

Michigan—State Hy. Dept., Lansing, rejected bids Apr. 7, grading and concrete surfacing 1.25 mi. road, 18 ft., Clinton Co. F. F. Rogers, state comr. Noted Apr. 22.

Mich., Detroit — Having plans prepared for 33,500 sq.yd. 3½ in. sheet asphalt on 8 in. concrete on 7 streets $199,600; 3,500 sq. yd. 3 in. sheet asphalt on 6 in. concrete on 3 streets $17,440; 14,400 sq.yd. one course concrete on 7 alleys $37,140. J. W. Reid, city engr.

Mich., Saginaw—Saginaw Co. Rd. Comn. plans grading and surfacing 4.989 mi. road, 3 mi. waterbound macadam, balance

Streets and Roads (Continued)

stone gravel. R. W. Roberts Co., Schirmer Bldg., engr.

Ill., Havana—Bd. Local Impvts. soon lets contract 22,000 sq.yd. concrete paving. C. H. Kreiling, city engr.

Wis., Monroe—See "Contracts Awarded."

Ia., Osceola—Clark Co. plans grading, building bridges on 8.6 mi. Primary Rd. 8 from Osceola east, and probably on 3.7 mi. Primary Rd. 8 from Murray west to county line. Iowa Hy. Comn., Ames, engrs.

Ia., Spencer—Clay Co. plans gravel surfacing Primary Rd. 10, drainage work on Primary Rd. 19, and laying tile, constructing bridges and gravel surfacing Primary Rd. 4, from south county line to here. Iowa Hy. Comn., Ames, engrs.

Minn., Mora—Kanabec Co. levied $50,000 for road and bridge work in 1923. R. G. Streetly, Mora, engr.

Kan., Independence—Soon takes bids 8,000 sq.yd., vitr. brick paving. H. W. Crawford, city engr. Noted Mar. 1.

Kan., Independence—Montgomery Co. soon takes bids improving 5½ mi. Federal Aid Project 121, Sect. C., 18 ft. H. K. Hibbard, co. engr.

Kan., Wellington—Sumner Co. plans paving 16,591 sq.yd. Meridian Rd. Sect. S T, bituminous macadam, bitulithic concrete, brick or concrete. J. W. Mavity, co. engr.

North Dakota — State Hy. Dept., Bismarck, plans 1½ mi. concrete, 200 mi. gravel and 400 mi. earth roads. $1,750,000. W. G. Black, Bismarck, ch. engr.

N. D., Williston—Williams Co. plans to gravel 30 mi. road from here to point 4 mi. west of Ray. A. F. Young, Williston, engr.

Mo., Louis—W. W. Horner, city engr., soon takes bids reconstructing 42,670 sq. yd. Garrison and Lucas Aves., Thomas, Stoddard and Dickson Sts., bitulithic and asphalt. $168,900.

Tex., Athens—Henderson Co. election May 19, to vote on $1,750,000 bonds improving various roads. J. A. Johnson, co. judge. Engineer not selected.

Tex., Coleman—Coleman Co. election in May to vote on $150,000 bond issue for roads Precinct 1. W. E. Dickerson, co. engr.

Tex., Hillsboro—Hills Co. takes bids about June 17, grading, gravel surfacing and bituminous topping 4 mi. State Highway 2. $67,000. G. Johnston, co. engr.

Tex., Hondo—Medina Co. making plans surfacing with 1 in. limestone rock, asphalt topping 13.44 mi. State Highway 2, 15 ft. $80,000. Walton & Arneson, Gunter Bldg., San Antonio, engrs.

Tex., Houston—Takes bids in May paving Caroline St., Calumet Dr. and Blodgett Ave., various types, $76,140; graveling Waugh Dr., $30,000. J. C. McVea, city engr.

Tex., Paris—Lamar Co. takes bids about June 15, grading and gravel surfacing 11,863 cu.yd. State Highway 19. $54,000. W. M. Fooshee, co. engr.

Okla., Bartlesville—Having preliminary plans prepared paving various streets, 20,000 yd. concrete. E. D. Kirkpatrick, Bartlesville, engr.

Colo., Pueblo—Rejected bids 47,400 sq.yd. concrete paving in Fountain Ave. Paving Dist. $205,200. Will readvertise at once. D. P. Gayman, City Hall, engr. Noted Apr. 12.

Utah—State Rd. Comn., Salt Lake City, takes bids about May 1, gravel surfacing 7.5 mi. Woodruff-Wyoming Rd., Federal Aid Project 46; May 10, gravel surfacing 7.1 mi. Moroni-Fountain Green Rd., Federal Aid Project 47 B, 5.4 mi. Fountain Green-Juab Co. line Rd., Federal Aid Project 47 D, hardsurfacing 1 mi. Fountain Green City Rd., Federal Aid Project 47 C, 1 mi. Moroni City Rd., Federal Aid Project 47 A; May 15, gravel surfacing 3.07 mi. Gogorza-Salt Lake Rd., Federal Aid Project 49, 11.2 mi. Castle Dale-Ferron Rd., Federal Aid Project 4 F; June 1, gravel surfacing 6.5 mi. Scipio-Juab Rd., Federal Aid Project 17 A, 15 mi. Chicken Creek-Millard Rd., Federal Aid Project 17 B, constructing Price underpass, Federal Aid Project 24 C, Riverdale viaduct, Federal Aid Project 31; June 15, hardsurfacing 3 mi. Payson-Santaquin Rd., Federal Aid Project 50. H. C. Means, state road engr.

Wash., Spokane — Spokane Co. making plans grading road bed 24 ft. wide, and crushed rock surfacing 3.5 mi. road, 20 ft., along northern city limits. H. J. Doolittle, co. engr.

Calif., Bakersfield—Kern Co. having plans prepared paving 20 mi. road, Arvin and Wood Patch Dists., probably patent paving. P. Kressly, I. W. Hellman Bldg., Los Angeles, engr.

Calif., Compton — Had plans prepared paving Orange St. 5 in. concrete. To exceed $30,000. E. M. Lynch, Central Bldg., Los Angeles, engr.

Calif., Cucamonga—San Bernardino Co. (San Bernardino), had plans prepared concrete paving and reconstructing curbs on Archibald Ave., here. $25,000. E. T. Ham, co. surv.

Calif., Eureka—Humboldt Co. having plans prepared grading road between Briceland and State Highway near Lundblade Pl., and constructing 4 bridges, each having 80 ft. span, over Redwood Creek. $25,000. A. J. Logan, co. surv.

Calif., Fresno—Had plans prepared grading, concrete curbing, guttering, sidewalks and paving Poplar Ave., 34,053 sq.ft. grading, 31,106 sq.ft. asphalt, etc. W. Stranahan, city engr.

Calif., San Francisco — City and San Francisco Co. had plans prepared improving Napoleon St., incl. 23,475 cu.yd. fill. $25,000. M. M. O'Shaughnessy, city engr.

Calif., Stockton — Takes bids in May, grading, concrete curbing, guttering, sidewalks and paving portions F, East Main, East Washington and East Lafayette Sts., etc., 191,911 sq.ft. 2 in. asphaltic concrete on 3 in. crushed rock, etc. W. B. Hogan, city engr.

Calif., Vacaville—Voted $40,000 bonds paving various streets. F. A. Steiger, Fairfield engr. Noted Mar. 15.

Ont., Cornwall—Plans 20,000 sq.yd. concrete or asphalt on concrete. $100,000. J. G. Harkness, city clk.

Ont., Cornwall—Glengarry Co. plans 5 mi. waterbound macadam road. Bids will be taken soon for 3 mi., balance later. $100,000. J. R. Simpson, co. clk.

Ont., Leamington — Windsor, Essex & Lake Shore Ry., Kingsville, plans paving 8,000 sq.yd. here, brick block on concrete. $40,000. Private plans.

Ont., Thorold—Plans new concrete pavements. $35,000. Prices wanted on materials.

Ont., Welland—Plans new cement highways. $100,000. Prices wanted on materials.

Ont., Williamstown — Charlottenburg Twp. soon takes bids 3 mi. crushed stone road and 2 mi. widening and grading on Glen Ray and Johnston Rds. 18-20 ft. $40,000. W. T. Bailey, twp. clk.

BIDS DESIRED

Maine—May 2, by State Hy. Comn., Augusta, surfacing 11.64 mi. highway, bituminous macadam or gravel, in Norridgewock, Skowhegan, Casco, Northport and Belfast; gravel surfacing 24.56 mi. in Presque Isle, Perry, Woodstock, Paris, New Sharon, Passadumkeag, Lincoln and Edmunds. P. D. Sargent, ch. engr.

New Hampshire—May 1, by State Hy. Dept., Concord, paving 4,300 sq.yd. road in Lebanon, rein.-con. F. E. Everett, state highway comr.

N. Y., Batavia—May 2, by A. Russell, city clk., paving Bank and State Sts., brick, concrete, asphalt or sheet asphalt. $30,000. F. D. Emerson, city engr. Noted Apr. 12, 1922.

N. Y., Brooklyn—May 2, by E. Riegelmann, boro pres., Boro Hall, asphalt paving on concrete Barrett, 49th and 78th Sts.; curbing and asphalt paving Ave. K; grading, curbing, flagging and granite paving Kingsland Ave.; grading, curbing and flagging Ave. T and 56th St.

N. Y., Buffalo—May 3, by Commissioner Pub. Wks., Municipal Bldg., repaving 6,000 ft. Delaware Ave. from Virginia St. to Gates Circle, 42 ft., asphalt on 6 in. concrete. G. H. Norton, Municipal Bldg., engr.

N. Y., Long Island City—Apr. 30, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing, laying sidewalks on Alburtis Ave. and 88th St.; sheet asphalt paving Alburtis Ave.; grading Bagraw and Union Hill Sts. Noted Apr. 19.

N. Y., Olean—May 7, by Commissioners Pub. Wks., improving King St., rein.-con. G. R. Miles, city engr.; adv. this issue.

N. Y., Oneonta—May 7, by Bd. Pub. Wks., curbing, guttering asphaltic concrete and rein.-con. pavements, etc. F. M. Gurney, city engr.; adv. this issue.

N. Y., Utica—May 2, by Bd. Contr. & Supply, repairing asphalt pavements on various streets. To exceed $25,000. S. W. Snyder, secy.

New Jersey—May 7, by State Hy. Comn., Trenton, constructing Route 6, Sect. 15, Bway, in city of Gloucester, Camden Co. and Route 5, Sect. 7, Mine Hill, Morris Co. A. L. Grover, ch. clk.; adv. this issue.

Pa., Lancaster—Apr. 30, by Street Comn., paving 2,100 ft. Race St., 42 ft., rein.-con. or asphalt on concrete. $38,000. J. Malone, City Hall, engr.

Md., Baltimore—May 2, by Bd. Awards, asphalt paving 9,300 sq.yd. St. Paul St., $45,000, 16,270 sq.yd. Contr. 233-NA, and 21,010 sq.yd. Contr. 234-NA. C. F. Goob, City Hall, highways engr.

Virginia—May 10, by State Hy. Dept., Richmond, grading, paving and bridging various roads. H. G. Shirley, chn.; adv. this issue.

W. Va., South Charleston (Charleston, P. O.)—May 3, by City Council, 30,000 sq.yd. asphaltic concrete, 24,000 lin.ft. combination curb and gutter, 2,500 lin.ft. sanitary sewers. J. N. Doyle, engr.

Georgia—May 2, by State Hy. Dept., Atlanta, grading and chert surfacing 10,468 cu.yd. Dallas-Cedartown Highway, Polk Co.; grading and sand clay surfacing 6,975 cu.yd. Waycross-Jesup Rd., Pierce and Wayne Counties, also includes 40,000 sta. yd. overhaul on sand clay surfacing. W. R. Neel, state highway engr.

Fla., Bradentown—May 7, by Manatee Co. shell surfacing 15 mi. on Terra Ceia Island. $55,000. H. B. Glooer, Bradentown, engr.

Fla., Brooksville—May 8, by H. C. Mickler, clk. Hernando Co., rock surfacing roads in Kilpatrick Dist. $75,000. Noted Mar. 30.

Fla., Cocoa—May 8, by City Council, treating 53,740 sq.yd. pavement with asphaltic material, treating (2 applications) 11,660 sq.yd. rock pavement with asphaltic material, paving 11,660 sq.yd. with ojus rock. A. F. Harlee, Cocoa, engr.

Louisiana—May 11, by State Hy. Comn., Reymond Bldg., Baton Rouge, grading and surfacing 7.685 mi. Project 113, Sect. A, Lafourche Parish. J. M. Fourmy, ch. engr.

Miss., Canton—May 1, by H. R. Covington, city engr., paving 25,000 sq.yd. various streets, concrete or bituminous concrete. $60,000.

Tenn., Elizabethtown—May 10, by Rd. Comn. Carter Co., grading and surfacing, etc., 25 mi. highway to State line, limestone and waterbound macadam. J. A. Taylor, chn.

Kentucky—May 9, by State Hy. Comn., Frankfort, shaping and surfacing to width of 28 ft. in cuts and 24 ft. on fills 44.202 mi. road in Pike, Floyd, Lawrence and Johnson Counties, 496,777 cu.yd. earth, 192,289 cu.yd. solid rock, 15,229 cu.yd. loose rock and 18,108 cu.yd. borrow excav., 485,744 sta.yd. overhaul, etc.; surfacing with waterbound macadam on prepared subgrade to width of 14 ft., 7.2 mi. Danville-Lebanon Rd., Boyle Co., 16,261 tons crushed stone, 4,075 tons screenings; shaping and surfacing to width of 16 ft. with bituminous macadam, waterbound macadam or waterbound macadam surface treated on slag or limestone base 9.416 mi. Whitley-City-Tennessee State Line Rd., McCreary Co. J. S. Boggs, state highway engr.

Ohio—May 8, by Dept. Hys. and Pub. Wks., Columbus, grading, bridging and paving 71.7676 mi. highways in Adams, Ashland, Clark, Columbiana, Darke, Erie, Fairfield, Fulton, Gallia, Putnam, Richland, Trumbull, Tuscarawas, Vinton, Hardin, Holmes, Huron, Mercer, Miami, Ottawa, Portage, Warren, Delaware and Mahoning Counties, waterbound macadam, brick, rein.-con., bituminous macadam, asphalt or tar, waterbound gravel, Kentucky rock asphalt, bituminous concrete, semi-monolithic brick and concrete, etc. L. C. Herrick, dir. highways.

O., Bexley (Columbus, P. O.)—May 4, by S. W. Roderick, village clk., grading, curbing and asphalt paving 11,736 ft. Seneca Park Pl., Bexley Dr., Roche and Fair Aves., Remington, Ardmore and Cassingham Rds., 24 ft. $213,600. Former bids cancelled. Jennings-Lawrence Co., Hartman Bldg., Columbus, engrs. Noted Apr. 12.

O., Euclid—May 5, grading, curbing and paving Abbey, Monteray, Norman, Ormistos, Tyrone and Renwood Aves., asphalt on concrete. $75,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

Indiana—May 8, by State Hy. Comn., Indianapolis, 7 mi. highway, from Jeffersonville north, bituminous macadam, $150,000. C. Gray, state highway engr.

Ind., South Bend—May 1, by Bd. Pub. Wks.; resurfacing 3,557 sq.yd. main St., asphalt on bituminous concrete, $12,044; 7,249 sq.yd. Colfax and Yukon Aves. and Miner St., vitr. brick, asphalt, concrete or bituminous concrete, $26,250; 4,327 lin.ft. sidewalk, etc., on Johnson, Fredericksson, Prast and O'Brien Sts., and Donmoyer Ave., $9,649. F. J. Anderson, City Hall, engr. Noted Apr. 19.

Michigan—May 8, by State Hy. Dept., Lansing, grading and surfacing 4.853 mi. road Macomb Co., 9,506 cu.yd. excav., 51,492 sq.yd. concrete. F. F. Rogers, state comr.

Wisconsin—May 2, by State Hy. Comn., at div. office 8, First Natl. Bank Bldg., Superior, grading and surfacing Drummond-Ashland Rd., Bayfield Co., 70,875 cu.yd. earth excav., etc., Spooner-Rice Lake Rd., Washburn Co., 39,876 cu.yd. earth excav., 9,970 cu.yd. feather edge surfacing, etc., Hayward Seeley Rd., Sawyer Co., 36,790 cu.yd. earth excav., 13,976 cu.yd. topsoiling, etc. A. R. Hirst, Madison, highway engr.

Streets and Roads (Continued)

Wisconsin—May 9, by State Hy. Comn., at div. office 9, Teller Bldg., Lancaster, grading and surfacing Boscobel-Muscoda Rd., Richland Co., 14,779 cu.yd. earth excav., 3,811 cu.yd. shale and 1,189 cu.yd. gravel surfacing; Fennimore-Montfort Rd., Grant Co., Sects. 2, 3 and 4, 19,938 cu.yd. crushed stone or mine tailing surfacing. A. R. Hirst, Madison, state highway engr.

Wis., East Troy—May 7, by H. J. O'Malley, clk., concrete paving, 9,945 sq.yd., various streets. $25,000. Private plans.

Ia., Ireton—May 10, for 6,000 lin.ft. curb and 16,000 sq.yd., concrete, vibrolithic, sheet asphalt, asphaltic concrete or bitulithic pavement. $45,000. W. Taylor, clk.

Minn., Breckenridge—May 4, by P. E. Truax, aud. Wilkin Co., Job 2301, State Rd. 6, 69,203 cu.yd. excav., 150,755 cu.yd. overhaul, 16,268 cu.yd. clay surfacing. $25,000. M. Brataas, Breckenridge, engr.

South Dakota—May 1, by State Hy. Comn., Pierre, gravel surfacing 119,000 cu.-yd. roads in Brown, Grant, Kingsbury, Sully, Spink, Brookings and Stanley Counties; grading and surfacing 7.32 mi. road in Lawrence Co., 13,185 cu.yd. broken stone surface, 1,097 cu.yd. clay surface; grading 31.958 mi. roads in Turner, Kingsbury, Hamlin and Lyman Counties, incl. 316,301 cu.yd. excav.; 3 steel viaducts, 51,692 lb. reinforcing and 154,888 lb. structural steel, in Turner Co., one 78 ft. concrete viaduct in Kingsbury Co., one 60 ft. steel viaduct in Hamlin Co., one 160 ft. concrete and steel viaduct and one 12 x 12 ft. concrete box culvert in Lyman Co., and one 32 ft. and one 20 ft. I beams in Corson Co. F. D. Hudgins, state engr.

N. D., Linton—May 1, by Auditor Emmons Co., 9.741 mi road, 62,725 cu.yd. earth and 2,630 cu.yd. rock excav., 933 sq.yd. cobble gutter. Engineer, c/o State Hy. Dept., Bismarck.

Mo., St. Louis — May 15, by Bd. Pub. Serv., City Hall, paving 15 alleys, 16,600 sq.yd. concrete. $51,130. W. W. Horner, 300 City Hall, engr.

Utah—State Rd. Comn., Salt Lake City, receiving bids gravel surfacing 5.2 mi. Ft. Duchesne-Vernal Rd., Federal Aid Project 10B; hardsurfacing 1.5 mi. Richfield-Elsinore Rd., Federal Aid Project 43, 1.5 mi. Saline City Rd., Federal Aid Project 44. H. C. Means, state road engr.

Wash., Seattle—May 5, by King Co., paving 11,842 sq.yd. White Center-Lake Burien Rd., concrete. $30,000. T. R. Beeman, co. engr.

Wash., Tacoma—May 4, by Pierce Co., concrete paving 2.81 mi. Permanent Highway 20, Spanaway-McKenna Rd. C. H. Votaw, Tacoma, engr.

Ore., Oregon City—May 9 by Comrs., Clackamas Co., paving 2.11 mi. Mt. Hood Loop Rd., Rock Creek. (A) 7 in. concrete, on 7 in. gravel or broken stone, 9 ft. wide with 4 ft. shoulders, $42,500 (B) 2 in. bitulithic concrete on 2 in. broken stone, 16 ft., $35,000. R. Klein c/o State Highway Dept., Salem, engr. Noted Jan. 25.

Calif., Los Angeles—May 4, by Bd. Harbor Comn., surfacing Badger Ave. and Dock St. approaching drawbridge, 317,775 sq.ft. 2 in. warrenite bitulithic on 7 in. rein.-con.

Calif., Merced—Supervs. Merced Co. receiving bids improving 8.14 mi. Rd. Impvt. Dist. 5, 43,557 lin.ft. sub-grade, 525,904 sq.ft. rock screenings. A. E. Cowell, Merced, engr. Noted Mar. 15.

Calif., San Bruno—City Trustees receiving bids grading, concrete curbing, guttering, sidewalks and paving with asphaltic oil and screenings on waterbound macadam, portions Tucker, Poplar, Cedar, Cypress and Linden Sts., etc. To exceed $25,-000. G. A. Kneese, c/o Co. Surveyor Office, Redwood City, engr. Noted Apr. 5.

Calif., San Diego—May 7, by A. H. Wright, city clk., improving Goldfinch, Bush and Ibis Sts., 152,432 sq.ft. 1½ in. asphaltic concrete on 2½ in. bituminous, etc. F. A. Rhodes, city engr. Noted Mar. 22.

Calif., San Francisco—May 16, by Bd. Pub. Wks., grading, concrete and granite curbing, artificial stone sidewalks and paving Rhode Island St., 23,184 sq.ft. asphaltic concrete and 24,800 sq.ft. concrete, etc., for city and San Francisco Co. $25,000. M. M. O'Shaughnessy, city engr.

Calif., Woodland — May 7, by H. R. Saunders, clk, Yolo Co., improving Prefix 7, Sect. A, 1,700 cu.yd. willite or Class A, B or C asphaltic concrete, 196,480 sq.ft. willite, Class A concrete or Class A, B or C asphaltic Concrete, etc.; Prefix 3, Sect. B, 15,418 sq.ft. asphaltic concrete or Class A concrete, 3,230 sq.ft. asphaltic concrete, etc.

BIDS RECEIVED

Conn., New Britain—Patching 10,000 sq. yd. various streets, asphalt, from Robinson & Powers Inc., 35 Colony St., Meriden, $2.56 per sq.yd.

New York—F. S. Greene, comr. State Hy. Dept., Albany, Apr. 20, improving 0.75 mi. Highway 5685 Catskill Village; Main, Bridge and Spring Sts., Greene Co., from B. I. Mandel, New York City, $43,913, engrs. est. $44,647; 0.46 mi. Highway 1664, Patchogue Village: Medford Ave., Suffolk Co., from F. Romeo, Patchogue, $17,441, $17,957; reconstructing 3.88 mi. Repair Contr. 3048, Saugerties-Catskill, Part 2, Greene Co., from L. Mayersohn, 6 Catalpa Dr., Albany, $147,485, $147,865; 1.26 mi. Repair Contr. 1360, Spring Valley-Knapp Corners, Rockland Co., from Ferber-Gill Co., Hackensack, N. J. (street address not available), $49,572, $54,101; 2.03 mi. Repair Contr. 1357, Johnstown-Broadalbin, Part 2 and 1.5 mi. Repair Contr. 3047, Mayfield-Northville, Part 2, both Fulton Co., from R. Wemple, Fultonville, $68,520 and $54,240 respectively, engrs. est. $69,705 and $55,144 respectively; 1.8 mi. Repair Contr. 1361, Herkimer-Frankfort, Herkimer Co., from J. E. Flood, Hudson Falls, $67,896, $70,058; 0.78 mi. Repair Contr. 5692, Cobleskille Village: East and West Main Sts., Schoharie Co., from Griffin & Griffin, Norwich (street address not available), $61,-647, $63,205; 1.86 mi. Repair Contr. 1355, River Rd.-Windsor, Part 1, Broome Co., from Stento & Serafini, 84 Court St., Binghamton, $64,298, $66,852; 2 mi. Repair Contr. 1359, Syracuse-Lafayette, Onondaga Co., from F. S. and A. Sporato, Syracuse, (street address not available), $77,925, $82,-477; 0.84 mi. Highway 5693 Medina Village: South Main St., Orleans Co., from W. J. Gallagher, Medina, $26,349, $27,395; 2.21 mi. Repair Contr. 1336, Phelps-Clifton Springs, Ontario Co., from M. C. Soper, Seneca Falls (street address not available), $76,141, $83,055; 2.11 mi. Highway 5600, Farnham-Irving, Erie Co., from Dale Eng. Co., Mann Bldg., Utica, $55,058, $58,-112. Noted Apr. 12.

N. Y., Buffalo—A. W. Kreinheder, comr. Pub. Wks., repaving (1) DeWitt St. (2) 7th St. paving (3) Arthur St. (4) 4th St. (5) Florida St., with (a) asphalt (b) brick (c) Medina block, from H. P. Burgard Co., 1968 Filmore Ave., (1) $15,535 (3a) $29,380; Rock Asphalt & Constr. Co., Morgan Bldg., (2) $44,520 (4a) $6,184 (5) $22,679; Erie Contg. Co., Morgan Bldg., (3b) $30,267; B. F. Spire, 24 Colonial Circle (4b) $6,500 (4c) $8,577.

N. Y., Long Island City—See "Sewers."

N. Y., Utica—Bd. Contr. & Supply, paving (1) Devereaux St. (2) Burrstone Rd. (3) St. Joseph St. (4) Culver Ave., with (a) asphaltic concrete (b) warrenite bithulithic (c) concrete with waterbound (d) concrete with asphaltic (e) concrete, from H. W. Roberts Co., 622 South St., (1) $7,238 (2a) $19,901 (2b) $20,798 (2c) $18,638 (2d) $18,507 (3a) $7,911 (3b) $8,199 (4a) $16,-406; N. D. Peters, 216 Kossuth St., (3e) $6,460.

Pa., Ebensburg—Cambria Co. paving 3.25 mi. Route 62, brick on concrete, from Owen & Plummer, Inc., Otto Bldg., Johnstown, $216,593. Noted Apr. 5.

Delaware—State Hy. Dept., Dover, 4.43 mi. Harbeson-Sunshine School Rd., Contr. C S-18 and 4.583 mi. Sunshine School-Lewes Rd., Contr. C S-19, from R. L. Bonham, Bridgeton, N. J., $130,499 and $138,353 respectively; 5.45 mi. Reliance-Seaford Rd., Contr. C S-20, from Old Line Constr. Co., Chestertown, Md., c.i. pipe $158,358, concrete pipe $156,875. Noted Apr. 5.

Maryland—State Rds. Comn., Baltimore, Apr. 17, 17,800 sq.yd. concrete surfacing, Contr. M-38, Montgomery Co., from Gosnell, Russell Co., Frederick (street address not available) $59,170; 9,500 sq.yd. concrete surfacing Constr. Co.-27, Caroline Co., from Holt Constr. Co., Federalsburg, $27,357. Noted Apr. 5.

Florida — State Rd. Dept., Tallahasse, bituminous macadam surfacing 6.686 mi. road between Project 27A Sta. 300 and Project 505, State Project 27B, Columbia Co., from C. F. Lytle, Jacksonville (street address not available), $289,264, 5.674 mi. road between Lake City and Project 27B, State Project 27A, Columbia Co., from McDougald Constr. Co., Healy Bldg., Atlanta, Ga., $196,287; sheet asphalt surfacing 10.708 mi. Rd. No. 8, between Frostproof and Avon Park, State Project 562B, Highlands Co., from W. P. Kennedy, Quincy, $321,594. Noted Apr. 5.

O., Akron—S. Porter, clk. Summit Co., Apr. 16, 1.42 mi. Akron-Northampton Rd. 27. A1, 6,000 sq.yd. vitr. brick on concrete, 17,050 cu.yd. earth excav., 8,000 sq.yd. 10 in. waterbound gravel, from Hollinger & Davidson, 435 South Bway., $49,482, engrs. est. $50,127; Granger-Ghent Rd. 79, 14,000 lin.ft. 2 x 6 in. concrete curb, 7,650 cu.yd. earth excav., 11,500 sq.yd. 3 in. bituminous concrete, 12,700 sq.yd. 5 x 7 in. concrete base, from T. E. McShaffrey Constr. Co., 171 South Forge St., $47,214, engrs. est. $50,975; 1.26 mi. Hammonds Corners Ira Rd. 46, 11,000 cu.yd. earth excav., 12,000 sq.yd. 5 in. waterbound macadam, 12,000 sq.yd. 3 in. bituminous macadam, from A. F. Wible, 859 Chalker St., $38,148, engrs. est. $26,400. Noted Apr. 12.

O., Cincinnati—C. F. Hornberger, dir. Pub. Serv., City Hall, Apr. 16, repaving 1,200 ft. Guilbert Ave. viaduct, granite blocks, from M. F. Quill & Son, 409 Gerke Bldg., $53,003. Engrs. est. $59,285. Noted Apr. 12.

O., Cleveland—Bd. Educ., East 6th St. and Rockwell Ave., (1) cement walks, grading and landscaping (2) masonry work, at Audubon, Lafayette, Mt. Auburn, Rickoff and Warner Rd. Schools, from V. Q. Galler, Builders Exch., (1) $45,150; A. MacDougall Co., Irene Ave., (2) $24,351. Noted Mar. 29.

O., Cleveland—For approximately 385,700 sq.ft. stone sidewalks in southerly, northerly and westerly sidewalk districts, from Ohio Quarries Co., Citizens Bldg., $43,803, $33,918 and $49,518 respectively. Noted Mar. 15.

O., Cleveland—For 149,900 sq.ft. stone sidewalks in West Park Dist., from Ohio Quarries Co., Citizens Bldg., $48,218.

O., Cleveland — Paving with (a) vitr. brick (b) asphalt (1) East 105th St. (2) Idarose Ave. (3) East 116th St. (4) Sylvia Ave. (5) Grovewood Ave. (6) East 131st St. (7) East 127th St. (8) East 121st St. (9) Jesse Ave. (10) Beyerle Rd., from Baldwin Bros., 4500 Euclid Ave., (a1) $8,661; Gould & Maybach, 823 East 150th St., (a2) $17,950; A. M. Pejsa, Euclid Heights Blvd., (a3) $62,819; River Constr. Co., 2402 Mapleside Rd., (a4) $48,305 (a5) $17,349; Cleveland Trinidad Paving Co., The Arcade, (b6) $27,368 (b7) $14,945 (b8) $20,480; Bentley Bros., 1836 Euclid Ave., (a7) $18,729; W. E. McHugh, Pavers Exch., Society for Savings Bldg., (a8) $25,-435; Enterprise Paving & Constr. Co., 8,444 Bway., (a9) $28,341 (a10) $9,856. Noted Apr. 5.

Mich., Detroit—Paving with 3 in. sheet asphalt on 6 in. concrete, (1) 1,700 sq.yd. Glinnan Ave. (2) 700 sq.yd. Gibson Ave. (3) 1,800 sq.yd. Moyes St., 3½ in. sheet asphalt on 8 in. concrete on (4) 3,100 sq. yd. Burton Ave. (5) 8,100 sq.yd. Calvert Ave. (6) 6,000 sq.yd. Coplin Ave. (7) 2,500 sq.yd. Fleming Ave. (8) 15,000 sq.yd. Grand River Ave. (9) 2,400 sq.yd. Marcus Ave., (10) 3,200 sq.yd. Reeder Ave., from Detroit Asphalt Paving Co., 20 McGraw Bldg., (1) $10,672 (3) $9,842 (4) $18,790 (6) $17,592 (8) $84,975 (9) $14,976 (10) $19,121; Cleveland Trinidad Paving Co., 402 Hammond Bldg., (2) $4,907 (5) $50,-431; G. R. Cooke, 1260 Penobscot Bldg., (7) $15,005.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, portland cement concrete paving (1-2-11 means State Rd. Route 1, Federal Aid Project 2, Sect. 11). (1) 0.2 mi. 1-2-11 Will Co. (2) 4.07 mi. 1-52-4 White Co. (3) 4.81 mi. 2-0-12 Union Co. (4) 563 mi. 2-54-51 Macon Co. (5) 4.5 mi. 1-0-20 Crawford Co. (6) 3 mi. 1-0-21 Crawford Co. (7) 7.5 mi. 1-0-Combination A Crawford Co. (8) 4.93 mi. 1-53-41 Massac Co. (9) 4.55 mi. 4-26-25 Sangamon Co. (10) 2.1 mi. 4-26-26 Sangamon Co. (11) 6.65 mi. 4-26-Combination B Sangamon Co. (12) 3.17 mi. 7-55-12 Bureau Co. (13) 3.65 mi. 7-55-13 Bureau Co. (14) 6.82 mi. 7-55-Combination C Bureau Co. (15) 0.37 mi. 7-7-13 La Salle Co. (16) 0.92 mi. 8-0-2C Warren Co. (17) 5.87 mi. 9-56-13 Ford Co. (18) 7.02 mi. 9-56-18 Ford Co. (19) 12.89 mi. 9-56-Combination D Ford Co. (20) 36.39 mi. 9 and 25-56 and 61-Combination H Champaign and Ford Counties (21) 3.68 mi. 3-0-7 Rock Island Co. (22) 6.06 mi. 25-61-28 Champaign Co. (23) 4.96 mi. 25-61-29 Champaign Co. (24) 4.88 mi. 25-61-30 Champaign Co. (25) 23.5 mi. 25-61-Combination G Champaign and Ford Counties (26) 36.39 mi. 25 and 9-61-Combination Y, incl. 1 bridge, Champaign and Ford Counties (27) 12.48 mi. 25-61-Combination F Champaign and Ford Counties (28) 11.02 mi. 25-61-Combination E Champaign Co. (29) 4.36 mi. 25-61-31 Champaign and Ford Counties (30) 2.74 mi. 25-61-32 Ford Co. (31) 23 mi. 25-61-Combination X, incl. 1 bridge, Champaign and Ford Counties (32) 5.12 mi. 16-58-18 Christian and Montgomery Counties (33) 4.27 mi. 20-60-13 McHenry-Lake Counties (34) 8.12 mi. 18-59-12 Kane-Kendall Counties (35) 19.56 mi. 18 and 22-59-Combination U, incl. 1 bridge, Will-Kane-Kendall Counties (36) 6.25 mi. 22-59-15 Will Co. (37) 5.19 mi. 22-59-16 Will-Kendall-Kane Counties (38) 11.44 mi. 22-59-Combination I, Will-Kendall-Kane Counties (39) 19.56 mi. 18 and 22-59-Combination J Will-Kendall-Kane Counties (40) 6.42 mi. 21-24-2 Lake Co. (41) 4.4 mi. 28-63-4 Knox-Henry Counties (42) 4.94 mi. 28-63-5 Henry Co. (43) 9.34 mi. 28-63-Combination K Knox-Henry Counties (44) 2.76 mi. 27-39-1 Cairo Co. (45) 3.7 mi. 30-64-12 Stark Co. (46) 5.48 mi. 31-65-21 Fulton Co. (47) 7.96 mi. 32-66-3 Moultrie Co. (48) 3.91 mi. 42-67-113 Lake Co. (49) 3.06 mi. 44-68-19 Will Co.

Streets and Roads (Continued)

from Pierson & Co., Chicago Heights (1) $8,144; B. J. Morrison, Inc., Effingham (2) $73,443; J. Kesl, Effingham (3) $103,476 (32) $110,888; McMahon Constr. Co., Rochester, Ind. (street address not available (4) $87,576; C. Arnold, Casey, (5) $96,427 (6) $64,979; J. W. Etchinson, Casey (7) $154,444; M. Hayes & Son, Janesville, Wis. (8) $131,113; Chicago Heights Coal Co., Chicago Heights, (9) $79,602 (10) $56,820 (11) $135,474 (34) $161,989 (37) $120,680 (38) $222,000; Weber Co., Ionia, Mich. (12) $87,309 (13) $102,835 (41) $87,131; R. F. Conway, 133 West Washington St., Chicago (14) $189,000; Trompeter & Son, Peru (15) $14,660; Monmouth Gate & Mfg. Co., Monmouth (16) $28,365; C. W. Clarke Co., Terre Haute, Ind. (street address not available) (17) $97,017; I. D. Lane, Bloomington (18) $144,042; Verhey Constr. Co., Champaign (street address not available) (22) $94,161 (23) $106,580 (25) $422,912 (26) $668,000 (28) $129,500; W. F. Smith, Rensselaer, Ind. (street address not available) (19) $244,896 (27) $202,092; J. O. Connor & Son, Fort Wayne, Ind. (20) $685,000; O'Neill & Sons, Faribault, Minn. (21) $91,991; Harrison Eng. & Constr. Corp., Ellicott Sq., Buffalo, N. Y. (24) $89,009 (29) $86,654 (30) $52,239 (31) $727,700; J. J. Dunnegan, Shenandoah, Ia., (33) $95,104 (48) $85,398; Powers-Thompson Constr. Co., Joliet (35) $419,200 (39) $393,800 (49) $94,008; Northern States Contg. Co., Waterloo, Ia. (36) $106,783 (40) $108,205; I. W. Baumann Co., Peoria (street address not available) (42) $92,872 (43) $171,973; C. D. Vanderboon, Mt. Cairo (44) $63,270; Edwardsville Constr. Co., Edwardsville (47) $148,364; Russell Condon & Co., Omaha, Neb. (street address not available) (46) $115,939. Noted Mar. 29.

Wis., Fond du Lac — For 57,640 sq.yd. pavement and 44,000 lin.ft. concrete curb and gutter, from J. Rasmussen & Sons, foot 7th St., Oshkosh, asphaltic concrete, $195,173; C. Johnson, 75 Main St., Oshkosh, vibrolithic concrete $201,877. Noted Mar. 29.

Wis., Green Lake — Green Lake Co., gravel surfacing, etc., Green Lake Center-Markesan and Princeton-Berlin Rds., from M. Fisch, Kilbourn, $13,539 and $22,861, respectively; grading Marquette-Ripon Rd., from Brogan & Burns, Green Bay (street address not available), $29,363; gravel surfacing foregoing, from J. L. Burch, 2009 Madison St., Madison, $15,916.

Wis., Milwaukee—Concrete paving various streets, from A. E. Retzloff, 948 4th St., Concordia Ave., $4,495, Finn Pl., $9,427; from Czerwinski Constr. Co., 376 16th Ave., Greely St., $4,861, Mervina St., $8,029, Pease St., $9,389, 23rd St., $22,350; from Kroening Constr. Co., 39th Ave. and Mitchell St., Herman St., $6,675, Holton St., $19,737.

Wis., Milwaukee — Concrete paving various alleys, from Kroening Constr. Co., 39th Ave. and Mitchell St., Group 1, 6,424 cu.yd. grading $0.50, 13,393 sq.yd. concrete $2.29; from Bodemann Constr. Co., 691 48th St.; Group 2, 2,856 cu.yd. grading $1.45, 9,627 sq.yd. concrete $2.20; from Clayton Constr. Co., 397 Farwell Ave., Group 4, 2,007 cu.yd. grading $1.24, 4,934 sq.yd. concrete $2.38; from W. T. Vanderboom, 99-32nd St., Group 3 1,691 cu.yd. grading $1.25, 6,332 sq.yd. concrete $2.07, Group 5, 1,301 cu.yd. grading $1.35, 5,468 sq.yd. concrete $2.10.

Wis., Ripon—Paving 10,000 sq.yd. various streets, from Universal Eng. Co., Ingram Blk., Eau Claire, reinforced vibrolithic concrete $2.69 per sq.yd.; C. Johnson, 75 Main St., Oshkosh, plain vibrolithic concrete $2.57, one course concrete $2.61. Noted Mar. 29.

Wis., Two Rivers—Paving, etc., various streets, from E. J. Streu, Two Rivers, 2 course concrete $27,919, vibrolithic concrete $27,650. Noted Apr. 5.

Tex., Corsicana—Navarro Co., concrete surfacing 34,066 sq.yd. Highway 31 in Richland Creek Bottom, from F. P. McElwrath, Corsicana, $85,998. Engrs. est. $95,000. Noted Mar. 29.

Nev., Reno—For 573,340 sq.ft. 5 in. and 15,954 sq.ft. 2 in asphaltic concrete pavement, from Clark & Henery Constr. Co., 38 South Sutter St., Stockton, Calif., $125,023. Noted Mar. 29.

Washington—State Hy. Comn., Olympia, concrete paving 55,841 sq.yd. Pacific Highway from Castle Rock to Laughlins, and 65,839 sq.yd. from Laughlins to Neals, Cowlitz Co., to McHugh Constr. Co., 517 3rd Ave. N., Seattle, $147,560 and $180,116 respectively. Noted Mar. 15.

Wash., Seattle—For 20,000 lin.ft. of 6 ft. and 5,200 lin.ft. 5 ft. concrete sidewalk, Atlantic St. et al., from Paduano & Crissman, 646 West 51st St., $31,532, engrs. est. $38,236; 14,225 sq.yd. 6 in. concrete paving on Findlay St. et al., from Coluccio & Erickson, 517 22nd St. S., $43,030, engrs. est. $37,000.

Calif., Chico—Curbing and paving Esplanade, from T. H. Polk, Chico, 183,000 sq.ft. 4 in. asphaltic macadam at $0.15 per sq.ft., 3,000 lin.ft. concrete curb $0.55. Noted Mar. 22.

Calif., Kingsburg — Grading, concrete curbing, guttering, sidewalks and paving Riverside St., etc., 105,393 sq.ft. 1½ in. warrenite on 2½ in. asphaltic concrete, etc., from California Constr. Co., Mattei Bldg., Fresno, $53,160.

Calif., Long Beach—Improving various streets in Belmont Shore Dist., 870,746 sq. ft. 5 in. concrete, 33,610 lin.ft. concrete curb, 168,573 sq.ft. cement walks, etc., from Two Miracle Concrete Co., Ford Bldg., Great Falls, Mont., $500,000. Noted Mar. 8.

Calif., Los Angeles—Supervs. Los Angeles Co., grading, curbing, laying sidewalks and paving Ocean Ave., 180,526 sq.ft. 5 in. concrete, etc., from H. H. Peterson, Loma Portal, $60,700. Noted Apr. 5.

Calif., Oakland—Improving 96th Ave., from Hutchinson Co., 1706 Bway., 227,350 sq.ft. grading at $0.06, 116,950 ft. oil macadam pavement $0.12, 42,998 ft. cement walks $0.17, etc. Noted Apr. 12.

Calif., San Bernardino—San Bernardino Co., paving 5 mi. Big Bear Lake Blvd., 444,200 sq.ft. 8 in. oil macadam, 40,360 cu.yd. grading, etc., from H. H. Lienau, 420 Brookside Ave., Redlands, $149,500. Noted Mar. 15.

Calif., San Diego—Common Council, improving Goldsmith and Evergreen Sts., from California Constr. Co., Union Bldg., 101,779 sq.ft. 1½ in. asphaltic concrete on 2½ in. bituminous at $0.1595 per sq.ft., total $16,234; Eagle St., from G. R. Daley, 4430 Boundary St., 83,544 sq.ft. 1½ in. asphaltic concrete on 2½ in. bituminous at $0.163, etc., total $14,073; 8th and A Sts., from California Constr. Co., Union Bldg., 94,645 sq.ft. 1½ in. asphaltic concrete on 2½ in. bituminous, $0.164, 15,600 sq.ft. 5 in. concrete $0.258, total $20,049. Noted Apr. 5.

Calif., Santa Ana — Orange Co., paving Richfield Rd., 5 in. asphaltic concrete on 4 in. gravel, from S. Finley, Santa Ana, $38,500.

CONTRACTS AWARDED

Vt., Bennington—For 10,800 sq.yd. concrete paving and 4,200 lin.ft. vitr. clay or concrete sewer pipe, to Portland Constr. Co., 52 Exchange St., Portland, Me. Noted Apr. 5.

Mass., Boston — Paving 15,270 sq.yd. Massachusetts Ave., bitulithic concrete, to Warren Bros., Parkman Bldg., $46,909.

Mass., Newton—Street Comn., 1,500 ft. curbing, 100,000 sq.ft. concrete, 50,000 cu.yd. excav., to Simpson Bros. Corp., 77 Summer St., Boston, $38,326. Noted Apr. 12.

N. Y., Jamestown—Will pave 10,128 ft. Mt. Vernon Pl., Stearns, Fairfield, Flagg and Hedges Aves., Westcott, Price, Derby, Lafayette, 10th, Crown, Stafford and Cherry Sts., brick on concrete, by day labor. L. Bergman, city engr.

N. Y., Mineola—Bd. Supervs. Nassau Co., Court House, improving Park St., to Columbian Constr. Co., 215 Montague St., Brooklyn, $184,750. Noted Mar. 29.

N. Y., Mount Morris—Paving Main and Chapel Sts., brick and concrete, to Rochester Foundation Co., 205 E. and B. Bldg., Rochester. To exceed $35,000. Noted June 8.

N. Y., Utica—Bd. Contr. & Supply, concrete sidewalks, to N. D. Peters, 216 Kossuth St., $39,220.

N. J., Freehold—Monmouth Co., reconstructing 1.91 mi. Sect. 1 Farmingdale-Manasquan Rd. 34, 20 ft. rein-con. to Mercer Constr. Co., Freehold, $71,942; 2.27 mi. Sea Bright-Highlands Rd. 54, 30 ft., rein.-con., to Jannarone Contg. Co., 225 Passaic Ave., Belleville, $147,458; 2.48 mi. Sect. 1 Freehold-Eatontown Rd., 20 ft., to Utility Contg. Co., 5 Spring St., New Brunswick, $118,088. Noted Apr. 19.

Maryland—State Hy. Comn., Baltimore, 0.78 mi. Contr. BC-25A, asphalt, Baltimore City, to P. Flanigan & Son, Baltimore and Ohio R.R. and Hartford Rd., Baltimore, $77,834; concrete paving 4.96 mi. Contr. G-20A, Garrett Co., to F. D. Claiborne Co., Garrett Bldg., Baltimore, $167,661; 2 mi. Contr. F-53, Frederick Co., to M. J. Grove Lime Co., Lime Kiln, $69,445; 4.5 mi. Contr. B-53, Baltimore Co., to Robertson Bros., Vickers Bldg. Baltimore, $111,485, 4.5 mi. Contr. CO-33, Caroline Co., to Harrison Eng. & Constr. Co., Dover, Del., $117,818, 2.8 mi. Contr. WI-22, Wicomico Co., to Hannemann-Burroughs Co., Salisbury, $64,772, 6,700 sq.yd. Contr. Q-25, Queen Annes Co., to J. K. Flick, Sudleraville, $20,760, 9,000 sq.yd. Contr. D-31, Dorchester Co., to Holt Constr. Co., Federalsburg, $32,284, 24,500 sq.yd. Contr. S-17, Somerset Co., to Hannaman-Burroughs Co., Salisbury, $101,293, 6,500 sq.yd. Contr. P-44, Prince George Co., to Tydings, Marine Co., Knickerbocker Bldg., Baltimore, $18,784; 10,300 sq.yd. Contr. F-63, Frederick Co., to L. R. Waesche, Thurmont, $32,325. Noted Mar. 22 and Apr. 19.

North Carolina—State Hy. Comn., Raleigh, grading and gravel surfacing 6.74 mi. State Project 971, Madison Co., to Reynolds Constr. Co., White Pine, Tenn., $103,661; grading and paving with waterbound macadam 6.97 mi. State Project 835, Henderson Co., to J. B. Ross, Jr., Pickens, S. C., $186,126. Noted Mar. 15.

Tenn., Dyersburg — Dyer Co., 10 mi. gravel road, to Lawrence Constr. Co., Jackson, Miss.; 20 mi. concrete road, to Forcum-James Lumber Co., Obion; 5 mi. concrete and 20 mi. gravel road, to Smith Bros. Constr. Co., Sumpter Bldg., Dallas. Noted Mar. 29.

Kentucky—State Rd. Dept., Frankfort, constructing 8.5 mi. Jackson Highway, rock asphalt, Bullitt, Spencer and Nelson Counties, and 6 mi. Jackson Highway from High Brove to Cox Creeks, to Wilmore Constr. Co., Wilmore, $374,539 and $252,726, respectively. Noted Apr. 19.

Ky., Harlan—Grading, curbing, guttering and paving Main, Bailey, Oak, Jones, 1st, Central and 2nd Sts., Harlan Ave. and Courthouse Alley, 26,375 sq.yd. rein.-con., 6,885 sq.yd. Kentucky rock asphalt, 3,225 sq.yd. bituminous macadam, etc., to E. J. Knepfles Sons, Bellevue, $95,000. Noted Mar. 29.

O., Cleveland—For 6,100 cu.yd. grading, 7,850 lin.ft. stone curbing and 4 in. tile drain, and 13,000 sq.yd. paving on Tampa Ave. and West 97th St., vitr. brick on concrete, to Roehl Bros., West 25th St. and Clark Ave., $60,842.

O., Toledo—Paving Avondale Ave. from Hawley St. to Junction Ave. and Monroe St. from tracks of New York Central R.R. to Auburn Ave., both vitr. brick on 7 in. concrete, to Harris & Tansey, 504 Nasby Bldg., $38,152 and $33,916 respectively; repaving Huron St. from Orange to Cherry Sts. and from Cherry to Bush Sts., vitr. brick and asphalt, to H. P. Streicher Co., Inc., 319 Terminal Bldg., $62,740.

Ind., Laport—Laporte Co., concrete paving 30,024 sq.yd. Fail Rd., to Ackerman Bros., Laporte, $76,779, engrs. est. $82,321; 14,781 ft. Tetter Rd., 18 ft., vitr. brick, to L. Martine, Laporte, $66,000, engrs. est. $89,892.

Mich., Detroit—Paving following alleys with one course 6 in. concrete, Alleys 1629 and 1635 also alley between Dequindre, St. Aubin, Mullet and Catherine Sts., to Otis Cement Constr. Co., 806 Hammond Bldg., $8,700, $3,539 and $3,577 respectively; Alleys 1630, 1631 and 1638 to R. J. Powelson, 6415 Iroquois Ave., $5,752, $5,755 and $4,853 respectively; Alleys 1633 and 1636 to G. Nunn, 6509 3rd St., $2,491 and $5,062 respectively; Alley between Lycaste, Hart, Charlevoix and Goethe Aves., to T. E. Currie, 20 McGraw Bldg., $4,516; Alley 1634 to J. Porath, 745 Griswold St., $2,708.

Mich., Saginaw—Saginaw Co. Rd. Comn., grading and surfacing 5.557 mi. Assessment Dist. Rd. 67, waterbound macadam, to T. McNally, 1115 Thompson St., $125,868.

Ill., Havana—Bd. Local Impvts., grading, curbing and paving, Dist. E, F and G, 55,000 sq.yd. concrete pavement, etc., to Jansen & Schaefer, 212 North Capitol St., Pekin, $2.88 per sq.yd. total $207,587. Noted Apr. 12.

Wis., Beloit—Paving 84,330 sq.yd. various streets, rein.-con., to G. Welch, 206 Water St., $1.85 per sq.yd. Noted Mar. 22.

Wis., Milwaukee—Concrete paving, etc., various alleys, to A. E. Retzloff, 948 4th St., Group 3 $13,801, Group 6 $13,161, Group 7, $15,838; to W. T. Vanderboom, 99 32nd St., Group 4, $9,610, Group 5, $23,219; to F. Schormann, 770 28th St., Group 1 $7,751; to F. W. Blodgett, 204 Grand Ave., Group 2 $10,754. Noted Apr. 12.

Wis., Monroe—Green Co. State Road and Bridge Com., Monticello-Argyle Rd., to Finley Bros., Janesville, 12,133 cu.yd. earth excav. $0.50, 3,972 cu.yd. crushed rock surfacing $2.45, etc., total $26,649; Brodhead-Monroe Rd., to Webb & Dixon, Albany, 14,000 cu.yd. earth excav. $0.65, 47,520 sq.yd. concrete surfacing $1.25, etc., total $78,298. Bids for York Church Rd. rejected. Noted Apr. 5.

Wis., Wausau — Paving 10,606 sq.yd. various streets, vibrolithic concrete, to C. Lotz, Wausau, $24,182. Noted Mar. 14.

Wis., Wauwatosa—Rein.-con. paving 19,510 sq. yd. Kavanaugh Pl., Wisconsin, Warren, 12th and Watkins Aves., to Jacobus & Winding Concrete Constr. Co., 1 State St., $2.34, $2.36 and $2.41 per sq.yd.

Wis., West Allis — Paving George St., 53nd, 65th, 70th and 74th Aves., to Schaefer-Thompson Constr. Co., Central Ave., Marshfield, $2.54 per sq.yd.; Greenfield Ave. from 66th to 74th Aves., to Milwaukee General Constr. Co., 427 Mitchell St., Milwaukee, $2.49 Work includes 43,381 sq.yd. vibrolithic concrete. Noted Apr. 12.

Streets and Roads (Continued)

Ia., Jesup—For 13,340 sq.yd. concrete paving, 13,629 lin.ft. curb and 8,614 cu.yd. excav., to Dearborn Constr. Co., Waterloo, $2.36 per sq.yd. Noted Apr. 5.

Kan., Cherryvale—Paving various streets, 7,625 sq.yd., vitr. brick, 6,097 lin.ft. curb and gutter, etc., to O'Leary Bros., Cherryvale, $28,819. Noted Apr. 5.

Kan., Sabetha—Paving 21,000 yd. various streets, brick, to Asplund Constr. Co., Tecumseh, Neb., paving $3.15 per yd., etc., total $83,231. Noted Mar. 22.

Minn., Elbow Lake—Grant Co., grading 6.6 mi. Job 2301, State Rd. 2, 72,713 cu.yd. excav., 83,584 cu.yd. overhaul, and Job 2302, State Rd. 1, 61,474 cu.yd. excav., 93,904 cu.yd. overhaul, to W. A. Hollern, St. Cloud, $18,855 and $17,831 respectively. Noted Mar. 22.

Minn., Mahnomen—Mahnomen Co., Jobs 22-02, 22-03 and State Aid Rd. 2, 63,796 cu.yd. excav., 81,778 cu.yd. sta. overhaul and 3,685 cu.yd. hand ditching, grading to Hanley & Underhill, Staples, $15,922; drain to Red Lake Drainage Co., Fosston, $13,639.

Minn., Moorhead—Clay Co., 6 mi. State Rd. 15, Egan Twp., and 8 mi. State Rd. 16, Goose Prairie and Comwell Twps., 87,009 cu.yd. excav., 35,815 cu.yd. overhaul, to Larkin Constr. Co., Barry, $23,112; concrete culverts to Fergus Falls Tile Wks., Fergus Falls; metal culverts to North Dakota Metal Culverts Co., 501-509 4th St. N., Fargo, N. D. Noted Mar. 29.

S. D., Pierre—Concrete paving 25,850 sq. yd. Pierre St. and Dakota Ave., to Hanlon & Okes, 338 Lumber Exch. Bldg., Minneapolis, Minn., $2.34 per sq.yd. Noted Feb. 15.

North Dakota—State Hy. Comn., Bismarck, grading 24 mi. road, Walsh Co., to W. Schultz, Fergus Falls, Minn., $31,910; concrete bridges to J. J. Rue & Sons, Baldwin, $8,462. Noted Mar. 29.

Missouri—State Hy. Dept., Jefferson City, improving roads (2-22 means Route 2, Sect. 22), to Cook & O'Brien Constr. Co., 305 Ry. Exch. Bldg., Kansas City, 4.744 mi. **2-22**, Saline Co. $20,605, 4.973 mi. **2-18**, Saline Co. $37,712, 5 mi. **2-21**, Saline Co. $60,587, 5 mi. **2-20** Saline Bldg., Salt Lake City, Utah, $57,115. Engrs est. $82,890. Noted Mar. 15.

Colo., Pueblo—Paving 12,120 sq.yd. in Northern Ave. Paving Dist., warrenite bitulithic, to Strange Maguire Contg. Co., Utah Savings & Bank Bldg., Salt Lake City, Utah, $35,029. Engrs. est. $43,900.

Colo., Trinidad — Concrete paving in Dists. 19 and 18, to Strange-Maguire Contg. Co., Utah Savings and Bank Bldg., Salt Lake City, Utah, $35,549 and $67,963 respectively.

Wash., Seattle—Grading Brandon St. et al., 24,700 cu.yd. excav., to G. A. Banderet, Bryn Mawr, $36,554. Engrs. est. $33,260. Noted Apr. 19.

Ore., Eugene—Lane Co., 6 in. rock surfacing 5.5 mi. Cottage Grove Rd., 18 ft., to Warren Constr. Co., Park Rose Bldg., Portland, $27,305, engrs. est. $32,500; 7 mi. from Coburg north, to A. C. Hansen, 703 North 2nd St., Portland, $26,439, engrs. est. $27,500. Noted Dec. 7.

Ore., Portland—Paving 12 blocks Flanders St., bitulithic, 30 ft., to A. D. Kern, Railway Exch., Bldg., $54,741. Noted Mar. 29.

Calif., San Diego—Common Council, paving 18th St., to G. R. Daley, 4430 Boundary St., $30,822. Noted Apr. 19.

Calif., San Rafael — Surfacing various streets, 279,000 sq.ft. 2 in. asphaltic concrete, 90,000 sq.ft. asphalt macadam, to Raisch Impvt. Co., 46 Kearny St., San Francisco, $37,440. Noted Apr. 5.

Calif., Venice—To Braun-Bryant & Austin, 1680 4th St., Santa Monica, paving Ocean Ave., 5 in. concrete, $44,170, grading and paving Woodland Ave., 2 in. willite, $11,398.

Industrial Works (Continued)

N. C., Greensboro—Hill Flour Mills Corp. plans 6 story, concrete, flour mill, 400 bbl. daily capacity, West Lee St. $200,000. W. B. Hill, Danville, Va., pres.

Ga., Eatonton—Putnam Mills & Power Co. plans power plant, 750 hp. initial capacity. $85,000.

Fla., Mt. Dora—May 12, to vote on $40,000 bonds for electric light plant. J. H. Crane, clk.

Tenn., Memphis — Broens-Weller Truck Body Co., 345 Jefferson Ave., plans 2 story brick addition to plant. $50,000.

O., Cincinnati — Hills-Griffith Co., 1262 State Ave., plans rebuilding 4 story brick foundry, destroyed by fire. $200,000. Engineer and architect not announced.

O., Cleveland — Western Reserve Fdry. Co., c/o L. G. Wagner, genl. mgr., 1209 Marquette Ave., had plans prepared 1 story, 90 x 180 ft., brick and steel foundry. $60,000. Private plans.

O., Cleveland—See "Buildings."

O., Cleveland—Lake Erie Metal Products Co., c/o J. F. Strnad, 4001 West 25th St., had plans prepared by J. Selasak, 6600 Park Ave., 1 story, brick and steel factory, East 152nd St. near Bway. $50,000.

Ind., Crawfordsville—R. R. Donnelly & Sons Co., Plymouth and Polk St., 1 story, 150 x 300 ft. plant, rein.-con., steel and brick, to Austin Co., 208 South State St., Chicago. Archts. est. $1,000,000. Noted Feb. 8.

Ill., Chicago—Western Electric Co., 52nd and Cicero Sts., plans 4 story, 100,000 sq. ft. floor space, rein.-con., brick and steel addition to Hawthorne plant. $1,000,000. W. R. Katelle, c/o owner, archt.

Ill., Whitehall—Voted $54,000 bonds for electric light plant.

Wis., Gatesville—C. Klundred having plans prepared by J. G. Schneider, Arcadia, 1 story and basement, 40 x 80 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation, Main St. $40,000.

Wis., Hurley—Norman Motor Co., 51 3rd Ave., plans 2 story, 50 x 135 ft. garage and repair shop, brick, rein.-con. and steel, plain foundation, Main St. $40,000. B. E. Norman, pres. Engineer and architect not selected.

Wis., Janesville — Southern Wisconsin Coca Cola Co., 617 East Washington Ave., Madison, having plans prepared by R. A. Phillips, Beaver Bldg., Madison, 2 story and basement, 60 x 150 ft., bottling plant, brick, rein.-con. and steel, plain foundation, North Franklin Ave., here. Noted Mar. 29.

Wis., Kaukauna—Thilmany Pulp & Paper Co. plans 1 story, steam generating plant, brick, rein.-con. and steel, plain foundation. $50,000. Engineer and architect not selected.

Wis., Madison—G. Wiesse, 111 King St., plans 1 or 2 story, 50 x 100 ft., brick, rein.-con. and steel factory, plain foundation, Williamson St. $40,000. Engineer and architect not selected.

Wis., Medford—Frendle Bros. Co., c/o H. Grann, having plans prepared by J. G. Schneider, Arcadia, 1 story, 50 x 100 ft., garage, repair shop and filling station, brick, rein.-con. and steel, plain foundation, Main St. $40,000.

Wis., Medford—C. Flemming having plans prepared by J. G. Schneider, Arcadia, 1 story and basement, 50 x 95 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation. $40,000.

Wis., Merrill—H. H. Juul having plans prepared by J. Bauman, Genesee St., 1 story, 70 x 90 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation. $40,000.

Wis., Milwaukee—Milwaukee Journal Co., 182 4th St., having preliminary plans prepared by F. D. Chase, Inc., engrs., 645 North Michigan Blvd., Chicago, 3 or 7 story addition, brick and concrete, plain foundation, 4th and State Sts.

Wis., Oconto—I. Telford plans 2 story, 47 x 125 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation, Main St. $40,000. Engineer and architect not selected.

Wis., Shawano—J. Popp soon takes bids 2 story, 40 x 106 ft., garage addition, brick and concrete, plain foundation. $40,000. Private plans.

Wis., Sheboygan—Ebenreiter Lumber Co., 1215 Erie Ave., having plans prepared by W. C. Weeks, 720 Ontario Ave., 1 story, 58 x 98 ft., brick, rein.-con. and steel factory, plain foundation, Erie Ave. $40,000.

Ia., Oskaloosa—Oskaloosa Daily Herald plans 2 story and basement, 60 x 120 ft. plant, brick, concrete and timber. $45,000. C. Walling, mgr. Architect and engineer not announced.

Kan., Ft. Scott — L. De Stowolinska, Central Garage, having preliminary plans prepared 1 story and basement, 50 x 150 ft., rein.-con. and steel garage. $45,000. Private plans.

Kan., Wichita—Steffin Ice & Ice Cream Co., 813 1st National Bank Bldg., plans 4 story, 140 x 150 ft., rein.-con. and brick plant, plain foundation, Santa Fe and 1st Sts. $400,000. C. M. Beachy, pres. Engineer and architect not selected.

N. D., Minot—K. Kulaas, Minot, having plans prepared by I. L. Rush, Minot, 2 story, 80 x 150 ft. rein.-con. and brick garage. $40,000.

Mont., Billings—Northwestern Distributing Co., 23rd St. and Montana Ave., 1 story and basement, 75 x 130 ft., plans bakery, brick, concrete and tile. $40,000. A. L. Greenleaf, mgr. Architect not announced.

Mont., Great Falls—Sunburst Refining Co., 1st National Bank Bldg., plans oil refinery, incl. tanks for storage stills, machine shops, etc. $500,000. E. A. Wyatt, genl. mgr.

Tex., Dallas—Sutton, Steele & Steele, Inc., Forney Ave., had plans prepared by O. Steele, engr. and supt., c/o owner, 1 story, 100 x 350 ft. mill. $125,000.

Colo., Ward—C. W. Thuringer, engr., East 42nd and Josephine Sts., Denver, prepared preliminary plans Sethman electric smelter and 40,000 hp. hydro electric plant. $500,000. Owner's name withheld.

Wash., Seattle—H. Disston & Sons, Inc., 322 Occidental St., plans several buildings, incl. 129 x 150 ft. factory. $60,000.

Calif., Bakersfield—San Joaquin Light & Power Co., 1801 Tulare St., Fresno, had plans prepared rein.-con. warehouse, here. $40,000. L. R. Duncan, structural engr. for company.

Calif., Los Angeles — May Corp., 801 South Bway., having plans prepared by A. C. Martin, Higgins Bldg., 4 story, 200 x 250 ft., rein.-con. warehouse, Grand Ave. and 35th St.

Calif., Los Angeles—Rowe China Co., c/o E. M. Frazier, archt., Regents Apartments, having plans prepared 1 story, 160 x 360 ft., brick and steel factory.

Calif., Marysville—Pacific Gas & Electric Co., 445 Sutter St., San Francisco, plans substation addition, here. $50,000. Private plans.

Calif., Oakland—Western Waxed Paper Co., Monadnock Bldg., San Francisco, having plans prepared by R. V. Woods, 505 17th St., 1 story, concrete or brick factory, Doyle St., here. $60,000.

Calif., San Pedro — Foote Transfer & Storage Co., 606 Beacon St., plans warehouse, fireproof. To exceed $75,000.

Calif., Stratford—F. E. Cryder, 2505 Balboa St., San Francisco, plans creamery, here. $75,000. Engineer and architect not selected.

Que., Montreal — National Cement Co., Versailles Bldg., plans cement mill, 3,000 bbl. daily capacity. $1,800,000. R. K. Meade, c/o owner, ch. engr. L. Hurtubise, 90 St. James St., consult. engr.

Ont., Hamilton—Canadian Westinghouse Co., Traders Bank Bldg., Toronto, plans 2 or 3 story, brick, concrete and steel addition to plant, here. $1,250,000. Private plans.

Ont., London — H. J. Jones & Sons, Dundas St., plans to rebuild factory recently destroyed by fire. $150,000.

B. C., Vancouver—Canadian Pacific Ry., Seymour St., plans to rebuild repair shops recently destroyed by fire, Drake St. $80,000 to $100,000. F. W. Alexander, Seymour St., div. engr.

BIDS DESIRED

Mass., Everett—May 7, by E. Dana, genl. mgr. Boston Elevated Ry., 108 Massachusetts Ave., Boston, superstructures of 150 x 360 ft., 170 x 360 ft. and two 52 x 53 ft. shop buildings, rein.-con. and steel. $500,000. H. M. Steward, c/o owner, engr. Noted May 4.

Mass., Holyoke—Judd Paper Co., 166 Race St., taking bids 3 story, 90 x 100 ft. factory, brick and steel, plain foundation, Race St. $75,000. G. P. B. Alderman & Bro., 316 High St., engrs. and archts. Noted Apr. 4.

R. I., Providence—B. S. D. Martin, archt., 86 Weybosset St., taking bids 1 story and basement, 75 x 100 ft. garage, brick and concrete, plain foundation, Elmwood Ave., for F. D. McKendall, c/o architect. $50,000. Noted Mar. 15.

Conn., Waterbury—Connecticut Co., 127 Church St., New Haven, taking bids 1 story, 40 x 177 ft. bus garage, 1 story, 40 x 100 ft. sand house, 1 story, 205 x 370 ft. car barn and 2 story, 46 x 156 ft. operating building, all brick and steel, West Main St., here. $450,000. H. R. Stamm, c/o owner, engr. Noted Apr. 4.

Pa., Brownsville—E. Meyer, taking bids 2 story and basement, 57 x 90 ft., brick, stone and tile garage. $40,000. H. W. Altman, Fayette Bldg., Uniontown, archt.

Pa., Mount Lebanon — R. E. Murray, archt., 401 Washington Rd., taking bids 2 story and basement, 86 x 115 ft., brick and steel garage, Washington Rd., for M. A. Haller, 217 Trenton St., Pittsburgh. $40,000.

Pa., Phila.—Ballinger & Co., archts., 12th and Chestnut Sts., taking bids 1 and 2 story rein.-con. and brick factory buildings, Wyoming and Stenton Aves., for Apex Machine Co. $500,000.

Pa., Phila. — C. J. Mitchell, archt., 15 South 21st St., taking bids 1 story, 50 x 114 ft. brick and steel garage, plain foundation, 4538 Merion Ave., for A. Powers, c/o architect. $75,000.

Pa., Reading—May 15, by Confederated Home Abbatoir Co., Amer. Casualty Bldg., 5 story and basement, 140 x 150 ft. slaughter house and other buildings, rein.-con., brick and steel, caisson foundation. $1,000,000. Private plans.

Pa., Wilkinsburg (Pittsburgh, P. O.)—H. R. Heller, 231 South Euclid St., Pittsburgh, taking bids 1 story, 60 x 80 x 100 ft. brick and steel garage Johnson St. $40,000. Private plans.

O., Ashtabula—Standard Oil Co. of Ohio, c/o E. B. Wagner, supt. of construction, East Ohio Gas Bldg., Cleveland, taking bids 1 story, brick, steel and concrete garage and warehouse, here. $40,000. Private plans.

O., Cleveland—Arnold Creamery Co., 701 Woodland Ave., taking bids 3 story, 60 x 90 ft., brick and concrete top addition to factory. $50,000. C. E. Tousley, 4500 Euclid Ave., archt. Noted Feb. 22.

Ind., South Bend—May 3, by A. Kahn, archt., 1000 Marquette Bldg., Detroit, Mich., 4 story, 81 x 365 ft. car storage building, and 1 story loading shed, brick and rein.-con., for Studebaker Corp., Main and Bronson Sts.

Mich., Big Rapids—Lane, Davenport & Peterson, archts., 2330 Dime Bank Bldg., Detroit, taking bids and opens same about May 2, 1 story, 180 x 240 ft. brick and steel garage and repair shop, plain foundation, for Turner, Crimmins & Water, Big Rapids. $75,000. Noted Mar. 29.

Wis., Madison—Chicago & North Western Ry., 226 West Jackson St., Chicago, taking bids roundhouse, brick, rein.-con. and steel, here. $300,000. Private plans.

Wis., Manitowoc — Smith & Reynolds, archts., Dempsey Bldg., taking bids 2 story, 46 x 120 ft., brick, rein.-con. and steel laundry, plain foundation, for Globe Steam Laundry, 14th and Washington Sts. Noted Mar. 22.

Wis., Milwaukee—H. J. Esser, archt., 82 Wisconsin St., taking bids 1 story, 125 x 250 ft., brick and timber warehouse, plain foundation, Dousman St., for Shadbolt & Boyd Iron Co., 129 West Water St. $50,000. Noted Mar. 29.

Wis., Milwaukee—Apr. 30, by C. Barkhausen, archt., 79 Wisconsin St., 2 story and basement, 42 x 100 ft. bakery addition, brick and concrete, plain foundation, for M. Carpenter Baking Co., 102 7th St. Noted Mar. 1.

Calif., Oakland — O'Brien Bros., Inc., archts., 315 Montgomery St., San Francisco, receiving bids 1 story, rein.-con. garage, Adeline and 32nd Sts., here, for L. R. Lurie Co., 315 Montgomery St., San Francisco. $40,000. Pacific Telephone & Telegraph Co., 333 Grant Ave., San Francisco, lessee.

Calif., Sacramento—Dean & Dean, archts., Library Bldg., receiving bids 1 story and basement, rein.-con. warehouse, 3rd and Q Sts., for Lindley & Co., 220 K St. $100,000.

CONTRACTS AWARDED

Mass., Cambridge—Ginn & Co., 15 Ashburton Pl., Boston, 4 story, 55 x 317 ft. plant, Monroe and 2nd Sts., here, to Evatt Constr. Co., 161 Devonshire St., Boston. Noted Feb. 1.

Mass., Lowell—Saco-Lowell Co., Dutton St., 2 story and basement, 100 x 360 ft. machine shop, rein.-con. and steel, wood pile foundation, to Aberthaw Constr. Co., 27 School St., Boston, $500,000.

Mass., New Bedford—Riley & Galligan, Olympia Bldg., 1 story, 50 x 180 ft. garage, brick and concrete, plain foundation, Mill St., to M. J. Doonan, 1821 Purchase St. Archts. est. $40,000.

R. I., Providence—Narragansett Electric Light Co., Turks Head Bldg., 4 story, 30 x 220 ft. switch house, brick, concrete and steel, plain and concrete pile foundation,

Industrial Works (Continued)

Eddy St., to D. P. Robinson Co., Inc., 125 East 46th St., New York City. Archts. est. $1,000,000.

Conn., East Norwalk—Crofut & Knapp, Water and Tolles St., South Norwalk, 2, 3 and 4 story factory buildings, rein.-con. and brick, Van Zant St., to Turner Constr. Co., 242 Madison Ave., New York City. Archts. est. $800,000. Noted Feb. 15.

Conn., Hartford—F. Stayton, 70 Freeman St., 2 story, 32 x 65 ft. storage plant, brick and steel, plain foundation, rear Buckingham St., to D. O'Brien & Sons, 118 Asylum St. Archts. est. $40,000. Noted Apr. 5.

Conn., Thompsonville—Bigelow-Hartford Carpet Co., 58 Main St., 4 story, 135 x 270 ft. mill addition, brick and steel, plain foundation, to Locke & Co., Lawrence. Archts. est. $200,000.

N. Y., Brooklyn—M. Rothschild, c/o E. M. Adelsohn, archt. and engr., 1778 Pitkin Ave., will build 1 story, 100 x 200 ft., brick and steel garage, plain foundation, Liberty Ave., by day labor. $60,000.

N. J., Camden—See "Buildings."

Pa., Altoona—Pennsylvania R.R., Broad St. Sta., Phila., 1 story, 340 x 690 ft. brick and steel machine shop, plain foundation, here, to Hughes-Foulkrod, Commonwealth Bldg., Phila. Engrs. est. $200,000.

Pa., Jeannette—Amer. Window Glass Co., Farmers Bank Bldg., Pittsburgh, 1 story, 42 x 160 ft. gas producer building, 1 story, 42 x 102 ft. boiler house and 1 story, 48 x 84 ft. power house, to Bollinger-Andrews, Empire Bldg., Pittsburgh. Noted Mar. 22.

Pa., Phila.—Phila. Last & Pattern Co., 38th and Cuthbert Sts., 2 story and basement, 52 x 105 ft. rein.-con., brick and steel factory, plain foundation, to Hughes-Foulkrod Co., Commonwealth Bldg., $100,000.

Pa., Pittsburgh—C. J. Allen, c/o City Deposit Bank, 6112 Penn Ave., 1 story and basement, 175 x 296 ft. garage, Westtern Ave., to Feltyberger-Reed Constr. Co., Peoples Bldg. Archts. est. $60,000. Noted Apr. 19.

Pa., Williamsport—Keystone Glue Co., West Williamsport, 2 story and basement, 45 x 70 ft. rein.-con., and steel power plant, to Foundation Co., 120 Liberty St., New York City, 4 watertube boilers, crossdrum type, to E. Keeler Co., 238 West St. Total est. $200,000.

D. C., Wash.—Potomac Electric Power Co., 231 14th St., N. W., 4-bay extension to Bennings Power Station, steel and concrete, incl. 3 boilers, one 20,000 kw. turbogenerator, etc., to Stone & Webster, Inc., 147 Milk St., Boston. $1,500,000. Noted Apr. 5.

D. C., Wash.—Sanitary Grocery Co., Inc., 52 O St., N. W., 4 story and basement, 150 x 250 ft. warehouse and office, rein.-con., brick and steel, 4th and T Sts., N. E., to C. H. Tompkins, 1612 Park Rd., N. W., $400,000. Noted Apr. 5.

W. Va., Charleston—Kanawha Mfg. Co., Dixie St., 66 x 160 ft. rein.-con. factory and 2 story, 36 x 70 ft., rein.-con. office, to Ring-Hartman Co. Inc., 304-6 Pearson Bldg. Noted Jan. 25.

S. C., Clinton—Lydia Mills will build 3 story, 125 x 280 ft. cotton mill, by day labor. Lockwood, Greene & Co., Piedmont Bldg., Charlotte, N. C., engrs. Noted Mar. 1.

Ky., Louisville—Gibbs-Inman Co., 325 West Bway., 5 story, 99 x 218 ft. printery, 9th St. and Bway., to C. A. Koerner & Co., 318 East Burnett St. Archts. est. $300,000. Noted Apr. 12.

O., Barberton — Ohio Insulator Co., 1 story, 50 x 480 ft., brick and steel factory, to Austin Co., 16113 Euclid Ave., Cleveland. Archts. est. $75,000.

O., Cincinnati—Hanna Locomotive Stoker Co., 411 4th National Bank, 1 story, 90 x 140 ft., brick, steel and concrete factory, to Austin Co., 16112 Euclid Ave., Cleveland. Archts. est. $40,000.

O., Cleveland—Bash & Steverding, 12309 Phillips Ave., 1 story, 55 x 94 ft., brick and steel garage, plain foundation, 609 East 140th St., to W. A. Wallett, 18719 Ironwood Rd. Archts. est. $40,000.

O., Cleveland—National Screw & Tack Co., 2440 East 75th St., concrete work for 5 story and basement, 56 x 165 ft., brick and rein.-con. factory, Platt Ave., to S. W. Emerson Co., Union Bldg. Total cost $250,000. Noted Dec. 21.

Mich., Dearborn—Dearborn Publishing Co., 2 story and basement, 50 x 235 ft., rein.-con., steel and stone plant, plain foundation, to H. G. Christman Co., 315 Stevens Bldg., Detroit. Archts. est. $1,000,000.

Mich., Marquette — Upper Michigan Motors Corp., 2 story, 80 x 100 ft. rein.-con., brick and steel garage, plain foundation, Washington St., to Hegner Constr. Co., 989 Appleton St., Appleton, Wis. Archts est. $60,000.

Wis., Green Bay—Sheboygan Dairy Products Co., 520 Cedar St., 1 story, 50 x 57 ft. dairy, brick, rein.-con. and steel, plain foundation, to E. H. Regal, 134 South Adams St. Archts. est. $40,000. Noted Apr. 12.

Wis., La Crosse—La Crosse Plumbing & Heating Supply Co., South Front St., 4 story and basement, 60 x 120 ft., brick and concrete warehouse, plain foundation, to J. E. Wallace, 1117 Division St. Archts. est. $75,000.

Wis., Madison — C. B. Fritz, 138 North Frances St., will build 1 story, 50 x 110 ft. planing mill, brick, rein.-con. and steel, plain foundation, by day labor. Claude & Starck, Badger Annex, archts. Noted Apr. 12.

Wis., Madison—J. E. Teckemeyer, 807 University Ave., 2 story, 36 x 70 ft., brick, rein.-con. and steel service station, plain foundation, to W. H. Deason, 355 Washington Bldg. Archts. est. $40,000. Noted Mar. 22.

Wis., North Milwaukee — Dadmun-La Budde Co., 93 Michigan St., Milwaukee, 2 story, 90 x 120 ft., brick and timber, plain foundation, to W. F. Tubesing Co., 139 Chestnut St., Wauwatosa. Archts. est. $50,000.

Wis., Sturgeon Bay—Door County Fruit Growers Co., 1 story, 50 x 90 ft., brick, rein.-con. and steel plant, plain foundation, to L. M. Hansen Co., 113 West Walnut St., Green Bay. Archts. est. $50,000. Noted Jan. 18.

Wis., Tomahawk — Tomahawk Craft Paper Co., c/o Wausau Sulphate Fibre Co., Wausau, will build 2 story mill, 1 story, 34 x 110 ft. power house, brick, concrete and steel, plain foundation, and 800 ft. concrete dam, 19 ft. head, by day labor. L. A. De Guere, Wisconsin Rapids, engr. $1,250,000.

Wis., Wausau — A. Kickbusch Grocery Co., 126 West Washington St., 2 story and basement, 60 x 65 ft., brick and concrete warehouse, plain foundation, to Larson Constr. Co., 627 Werle Ave. Archts. est. $50,000. Noted Feb. 1.

Wis., Wauwatosa—Liberty Fdry. Co., 57th and State Sts., 1 story, 82 x 100 ft. foundry addition, brick and steel, plain foundation, to W. F. Tubesing Co., 139 Chestnut St. Archts. est. $45,000.

Ia., Des Moines—Eagle Iron Wks., Court and Southeast 3rd Sts., general contract 2 story and basement, 80 x 280 ft. factory, brick and stone, to J. Widerberg, 1116 Thompson St., $49,187. Noted Mar. 15.

Ia., Maquoketa—Eastern Iowa Electric Co., hydro-electric plant, here, to Price Bros. Co., 45 Davies Bldg., Dayton, O., $250,000.

Minn., Minneapolis — Northern States Power Co. will build 4 story and basement, 60 x 77 x 100 ft. shop and office, brick, concrete and steel, 2820 Marshall St. N.E., by day labor. $125,000. Byllesby Eng. & Management Corp., 208 South La Salle St., Chicago, engrs.

Minn., St. Paul — Brown & Bigelow, Quality Park, general contract 1 story, 21 x 44 x 276 ft. factory, brick and steel, University Ave. near Syndicate St., to W. M. Murphy & Son, 616 Endicott Bldg., $120,000.

Minn., St. Paul—Waldorf Paper Products Co., Myrtle St. near Hampden Ave., general contract 5 story and basement, 84 x 193 ft. factory, rein.-con., brick and tile, to P. Steenberg Constr. Co., 535 Endicott Bldg., $130,000. Noted Apr. 4.

Tex., Breckenridge—Columbian Carbon Black Products Co. will construct 6 buildings, concrete and steel, plain foundations, by day labor. $350,000. A. J. Flint, Breckenridge, archt.

Tex., Texas City—Texas Sugar Refining Co., refinery, along waterfront, to J. Monks & Son, 438 Bway., New York City, $5,500,000. Noted Mar. 15.

Wash., Kelso—Long-Bell Lumber Co., power plant at Longview, to C. Moore & Co., Sheldon Bldg., San Francisco, $2,000,000. Noted Sept. 21.

Calif., Fresno — Durant-Steeves Motor Co., 1 story, brick, garage, Van Ness St., to Trewhitt-Shields Co., Rowell Bldg., $40,000.

Calif., Los Angeles — Standard Auto Body Co., 1501 Central Ave., will build 2 story, 50 x 150 ft., brick factory, Central Ave., by day labor.

Calif., Los Angeles—Kleiber Motor Truck Co., 1938 South Main St., 1 story factory, brick, Santa Fe and 24th Sts., to Austin Co., Pacific Electric Bldg., $85,000.

Calif., Newman—Associated Milk Producers, 53 Clay St., San Francisco, creamery, concrete, here, to O. W. Britt, 1257 Arguello Blvd., San Francisco, $170,000. Noted Apr. 12.

Calif., San Diego—Vitrified Products Co., Spreckels Bldg., will construct group of buildings, by day labor. To exceed $150,000.

Calif., San Francisco—Galloway Lithograph Co., 515 Folsom St., 2 story factory addition, heavy mill construction, Folsom and 1st Sts., to G. P. Jensen, 320 Market St., $40,000.

Calif., San Francisco — J. Pasqualetti, Humboldt Bank Bldg., 2 story rein.-con. garage, Sacramento St. near Lyon St., to American Concrete Co., 785 Market St., $40,000.

Calif., Stockton—Cowell Estate, c/o W. H. George, mgr., 2 Market St., San Francisco, 1 story, 80 x 100 x 150 ft. rein.-con. garage, Channel and Hunter Sts., here, to J. E. Shepherd, Yosemite Bldg., $50,000. Noted Feb. 22.

B. C., North Vancouver — See "Miscellaneous."

Buildings

PROPOSED WORK

Conn., Danbury — Dormitory—State Bd. Educ., Hartford, plans 3 story, brick, plain foundation, at State Normal School, here, $225,000. Engineer and architect not selected.

Conn., Darien—Gymnasium and Dormitory—Cherry Lawn School having plans prepared by W. R. Steinmetz, Stamford, 3 story and basement, 40 x 70 ft., brick and steel, plain foundation. $150,000.

Conn., Hartford — Apartment — R. A. D'Avino, archt., 647 Main St., preparing plans two 3 story, 40 x 180 ft., brick, plain foundations. $200,000. Owner's name withheld.

Conn., Hartford—Office—Central Co. having plans prepared by Whiton & McMahon, 36 Pearl St., 6 story, 70 x 150 ft., brick and stone, plain foundation, Main and Asylum Sts. $300,000. S. Elisner, 902 Main St., pres.

Conn., Hartford — School — Monroe St. School rejected bids school, 32 class rooms, $200,000. Will revise plans and readvertise. I. A. Allen, Jr., 100 Farmington Ave., archt.

Conn., Hartford—Theatre, etc.—N. A. Schatz, 1029 Main St., interested in syndicate which plans 60 x 100 ft., State St. $200,000. Engineer and architect not selected.

Conn., Meriden—High School—Bd. Educ. having plans prepared by W. T. Arnold, 34½ West Main St., 2 story and basement, brick and stone, plain foundation. $750,000. Noted Mar. 29.

Conn., Meriden—Temple—Masonic Lodge, c/o H. Wales Lines, 134 State St., plans 2 or 3 story, brick and granite, plain foundation, East Main St. $200,000. Engineer and architect not selected.

Conn., Middletown—Temple—Five Local Masonic Chapters plan brick, plain foundation, Court St. To exceed $150,000. Address R. E. Molander, pres. Fellowcrafts Club. Engineer and architect not selected.

Conn., New Haven — Museum — Day & Klauder, archts., 925 Chestnut St., Phila., soon let contract 3 story, 175 x 243 ft., brick, stone and steel, plain foundation, Whitney Ave., here, for Yale University. $1,000,000.

Conn., Norwich — Hospital — Norwich State Hospital plans 2 and 3 story ward buildings, brick and stone, plain foundations, $200,000 and $250,000 respectively; nurses home, 3 story, brick, plain foundation, $150,000. F. S. Wilcox, supt. Engineer and architect not selected.

Conn., Wallingford—Club and Business—Wallingford Y.M.T.A.B. having plans prepared by W. T. Arnold, 31½ West Main St., Meriden, 3 story, brick, plain foundation.

N. Y., Jamaica—Office—Louvain Constr. Co., c/o F. A. Rooke, archt. and engr., 15 East 40th St., New York, soon takes bids brick, steel and stone, plain foundation, Garden St. $300,000.

N. Y., New York—Gymnasium—Fordham University, Fordham Rd., soon lets contract 2 story, cut stone, brick and steel on campus. $250,000. E. G. Perrot, 233 Bway., archt. and engr. Noted Mar. 29.

N. Y., New York—Market—Dept. Pub. Markets, Municipal Bldg., soon takes bids 7 story, 310 x 330 ft., brick and concrete, plain foundation, Harlem River and Cromwell St. $5,000,000. Private plans.

N. Y., New York—School—Bronx Co. Society for Prevention of Cruelty to Children, c/o Ralderes & La Velle, archts. and engrs., 505 5th Ave., having plans prepared 3½ story, brick, steel and stone, plain foundation, Grand Concourse and McClellan St. $250,000.

N. Y., Ogdensburg—Office, etc.—Ogdensburg Power & Light Co. plans 3 or 4 story, tapestry brick, concrete and steel office, salesroom and storage building, Ford and Caroline Sts. $150,000-$160,000.

Buildings (Continued)

N. Y., Rochester—Bank—East Side Savings Bank, Main St. E. and Clinton Ave., had plans prepared by L. Stern, 1017 Chamber of Commerce Bldg., altering and stone, concrete and steel addition. To exceed $150,000.

N. Y., Rochester—Bank—Lincoln-Alliance Bank purchased site northeast corner North Goodman and East Main Sts. and plans branch banking building. $150,000-$175,000.

N. Y., Roosevelt—School—Bd. Educ. rejected bids Feb. 27, brick, steel and stone, plain foundation. $150,000. Will readvertise. Tooker & Marsh, 101 Park Ave., New York City, archts. and engrs. Noted Feb. 1.

N. Y., St. Johnsville—School—Bd. Educ. soon takes bids brick, concrete and steel, $150,000-$175,000. Nichols & Gardiner, 46 North Pearl St., Albany, archts. Noted May 11.

N. Y., Schenectady — Hotel — Building Com. Chamber of Commerce plans 215 room hotel. $1,000,000.

N. Y., Schenectady—School—Bd. Educ. plans brick, concrete and steel school to replace present Bway. School. $200,000.

N. J., Kearny (Arlington, P. O.)—Hospital—West Hudson Hospital plans campaign to raise funds for Stumpf Memorial Hospital, Bergen Ave. and Elm St. $200,000. G. Alexander, c/o Nairn Linoleum Co., Belgrove Dr., pres. Engineer and architect not selected.

N. J., Newark—Bath House—City having plans prepared by R. W. Erler, 45 Clinton St., 1 story, 80 x 80 ft., brick, plain foundation, Morris Ave. $175,000. Engineer not selected.

N. J., Newark—Prison—Essex Co., Court House, having plans prepared by C. W. Wands, 59 Central Arcade, Caldwell, 4 story, 44 x 115 ft. prison $208,000. Runyon & Carey, 843 Broad St., engrs.

Pa., Altoona—Cathedral—Altoona Catholic Diocese, c/o J. J. McCort, 1213 13th St., bishop, having plans prepared by G. I. Lovatt, 4th and Walnut Sts., Philadelphia, and takes bids in 2 months for 2 story and basement, 120 x 210 ft., rein.-con., steel and stone, 13th Ave. $500,000.

Pa., Cresson — Clubhouse — Summitt Country Club, C. L. Watkins, pres., purchased 60 acre farm and will alter and erect 2 story, 50 x 50 ft. addition to house, and build golf course, Cresson Rd. $150,000. Engineer or architect not announced.

Pa., Cynwyd—Exchange—J. T. Windrim, archt., Commonwealth Bldg., Phila., soon takes bids 2 story and basement, 150 x 200 ft. brick and steel, plain foundation, here, for Bell Telephone Co., 13th and Arch Sts., Phila. $200,000.

Pa., Indiana—Theatre—W. P. McCarthy, Jefferson Theatre, Punxsutawney, having plans prepared by L. Lampert, Cutler Bldg., Rochester, N. Y., 2 story and basement, 71 x 200 ft. brick, steel and tile. $150,000.

Pa., Johnstown—High School—Bd. Educ. having plans prepared by J. E. Adams, Nemo Bldg., 2 story and basement, brick and stone, Somerset St. $900,000.

Pa., Pittsburgh — Community — Kingsley Assn., Inc., 43 Fernando St., having plans prepared by W. F. Struthers, Publication Bldg., 2 story and basement, 98 x 110 ft., concrete, brick and steel, Larimer and Auburn Sts. $200,000.

Pa., Pittsburgh—School—Bd. Educ., Fulton Bldg., having plans prepared by S. F. Heckert, Bessemer Bldg., 2 story, rein.-con. and brick, Boggs Ave. $160,000.

Pa., Spangler — Nurses Home — Miners Hospital Assn. having plans prepared by W. R. Myton, 1204 1st Natl. Bank Bldg., Johnstown, 3 story and basement, 90 x 100 ft. addition to hospital, Main St. $150,000.

Pa., West Chester—Hospital—Memorial Hospital Assn. soon takes bids 2 story and basement, brick and stone. $600,000. Day & Klauder, Franklin Bank Bldg., Phila., archts.

Pa., White Haven—Sanatorium—Jewish Consumptive Aid Assn. plans fireproof sanitorium. $250,000. Engineer and architect not announced.

Pa., Williamsport—Clubhouse—B. P. O. E. rejected bids 6 story, 104 x 208 ft., East 4th St. Will readvertise. Noted Nov. 16.

W. Va., Charleston—Store and Office—M. B. Goldman, 103 Capitol St., having plans prepared by Millspaugh & Carmichael, 67 East Long St., Columbus, O., 8 story and basement, 80 x 125 ft., rein.-con., brick and stone, Summers St. $175,000.

N. C., Asheville—Hotels—G. Vanderbilt and Battery Park Hotel Companies, soon let contract for above named hotels. $1,500,000. W. L. Stoddart, 9 East 40th St., New York City, archt. Noted Mar. 29.

N. C., Burlington—Hotel—Burlington Hotel Corp. having plans prepared by H. Hartman, Greensboro, 6 story and basement, 98 x 131 ft., brick, Main and Maple Sts. $250,000. R. L. Holt, pres. Noted Oct. 12.

N. C., Chapel Hill—Church—Methodist Church had plans prepared by J. G. Rogers, 367 Lexington Ave., New York City, and soon takes bids 280 x 300 ft., brick, with 207 ft. spire. $250,000. M. T. Plyler, Durham, chn. Building Com.

N. C., Kinston—College—State Legislature, Raleigh, appropriated $500,000 new buildings for Caswell Training School, here. H. A. Underwood, Commercial Bank Bldg., Raleigh, engr.

Fla., Sarasota—Hotel—A. McAnsh plans hotel, Central Ave. $350,000.

Ky., Bowling Green—Station—Louisville & Nashville Ry., 10th St. and Bway., Louisville, plans station and yards, here. $360,000. G. R. Smiley, ch. engr. of construction.

Ky., Louisville—Store—Bensinger Outfitting Co., 315 West Market St., having plans prepared by Joseph & Joseph, Francis Bldg., 5 story, 50 x 200 ft., brick and terra cotta, 313-315 West Market St. $200,000.

O., Cleveland—Apartment—B. Benjamin, 9917 Parkgate Ave., had plans prepared 4 story, 50 x 201 ft., brick and concrete, plain foundation, 2036 East 100th St. $300,000. Private plans.

O., Cleveland—Apartment—W. P. Yelsky, 14702 Superior Ave., had plans prepared by M. Altschuld, 5116 Woodland Ave., 2 story and basement, 72 x 114 ft., brick and timber, plain foundation, Superior Rd. $150,000.

O., Cleveland—Commercial—Twenty-Nine Twenty-One Euclid Co., c/o J. Laronge, 214 Williamson Bldg., plans 4 story brick, steel and concrete, East 30th St. and Euclid Ave. $250,000. Engineer and architect not selected.

O., Cleveland — Hospital — Cleveland Homeopathic Medical Society, c/o L. E. Siemon, pres., 423 Erie Bldg., plans brick, steel and concrete hospital group, 724 Huron Rd. $2,000,000. Engineer and architect not selected.

O., Cleveland—Office—L. J. Lesser, 38 South Dearborn St., Chicago, and Paschen Bros., 111 West Washington St., Chicago, having plans prepared by W. W. Ahlschlager, 65 East Huron St., Chicago, 16 story and basement, 82 x 150 ft., brick, steel and concrete addition, concrete pile foundation, East 6th St. and Superior Ave., here. $2,000,000.

O., Cleveland — Store, Apartment and Loft—Paul Bros., c/o G. Paul, Fidelity Mortgage Bldg., having plans prepared by J. F. Steffens, Fidelity Mortgage Bldg., 3 story and basement, 85 x 300 ft. store and apartment and 3 story and basement, 85 x 300 ft. store and loft building, brick, steel and concrete, East 43rd St. and Euclid Ave. $400,000 each.

O., Cleveland — Store and Office — M. Marmorstein, Ulmer Bldg., having plans prepared by S. H. White, Schofield Bldg., 10 story, 45 x 133 ft., brick, steel and concrete, East 9th St. and Vincent Ave. $300,000.

O., Dayton—Apartment—J. I. Geiger Co., 409 Dayton Savings & Trust Bldg., plans 3 story and basement, 40 x 200 ft., brick and terra cotta, plain foundation, Riverside St. $150,000. Private plans.

O., Dayton — Store — Rike-Kumler Co., 2nd and Main Sts., plans 8 story and basement, 50 x 200 ft., rein.-con. and brick, plain foundation, West 2nd St. $500,000. Engineer and architect not selected.

O., Dayton—Store—M. L. Simons, Main St. plans remodeling 4 story, 25 x 160 ft. and constructing 2 story terra cotta top addition, North Main St. $175,000. Engineer and architect not selected.

O., Dayton — Temple — Masonic Temple Co., 134 South Main St., plans stone, brick and rein.-con., plain foundation, Riverview St. $850,000. Engineer and architect not selected.

O., Portsmouth—Hotel—A. Ruggles, 6th and Troy Sts., having plans prepared by De Voss & Donaldson, 1st National Bank Bldg., 6 story and basement, 60 x 100 ft., brick, stone and concrete. $200,000.

O., Shaker Heights (Cleveland, P. O.)—School—University School, c/o A. C. Brown, 4403 St. Clair Ave., Cleveland, plans administration, recitation halls, dormitories and gymnasium, 4 story, brick and steel, Warrensville Center Rd., here. $1,000,000. Engineer and architect not selected.

Mich., Detroit—Hotel—Varney & Varney, archts., 1422 Washington Blvd., preparing plans 8 story and basement, 63 x 90 ft., brick, steel and terra cotta, plain foundation, Park Blvd. $250,000. Owner's name withheld.

Mich., Lansing—Temple—Masonic Temple Assn., Amer. State Savings Bank Bldg., having plans prepared by E. A. Bowd, 127 West Allegan St., 7 story and basement, 100 x 164 ft. rein.-con., brick and steel, plain foundation.

Mich., River Rouge—(Detroit, P. O.)—Office—Ford Motor Co., Highland Park (Detroit, P. O.) had plans prepared by A. Kahn, 1000 Marquette Bldg., Detroit, 1 story, 51 x 146 ft., and 2 story, 40 x 113 ft. and 40 x 145 ft., rein.-con. and brick additions, plain foundations. $150,000.

Ill., Chicago—Apartment—V. C. Magill, c/o W. W. Ahlschlager, archt., 65 East Huron St., having plans prepared 7 story, rein.-con., brick and steel, Lake Shore Dr. and Sherwin Ave. $1,250,000.

Ill., Chicago — Apartment-Hotel — P. T. Johnstone, Archt., 190 North State St., preparing plans 5-story, 50 x 95 ft., rein.-con., brick and steel, Kenmore and Bryn Mawr Aves. $350,000. Owner's name withheld.

Ill., Chicago—Hotel—Hotel Harper Corp., 6236 Harper Ave., plans 11 story, 182 x 185 ft., rein.-con., brick and steel, 6236-74 Harper Ave. $4,500,000. Fridstein & Co., 111 West Washington St., engrs.

Ill., Chicago—Hotel—Jackson Shore Hotel Co., c/o Fridstein & Co., engrs., 111 West Washington St., plans 11 story, 193 x 324 ft., rein.-con., brick and steel, 5450-84 South Shore Dr. $5,550,000.

Ill., Chicago—Hotel—Weller & Rippel, Inc., 140 South Dearborn St., preparing plans 16 story, 100 x 150 ft., rein.-con., brick and steel, Walton St. near Delaware Ave. $3,000,000. Owner's name withheld.

Ill., Chicago—Store—The Fair Co., 140 South State St., plans 4 story, 190 x 351 ft., rein.-con., brick and steel addition. $2,000,000. Mundie & Jensen, 39 South La Salle St., archts.

Ill., Evanston—Apartment—J. A. Lindstrand, archt., 1661 North Oakley Blvd., Chicago, preparing plans 3-story, 107 x 175 ft., rein.-con., brick and steel, Mulford and Custer Sts. $150,000. Owner's name withheld.

Wis., Mayville—High School—School Bd. rejected bids 2 story and basement, brick, tile and concrete, plain foundation. $200,000. Will readvertise later. Parkinson & Dockendorff, Linker Bldg., La Crosse, archts. Noted Apr. 5.

Wis., Milwaukee — Church — Kenwood Methodist Episcopal Congregation, c/o Leenhouts & Guthrie, archts., 424 Jefferson St., preparing plans 2 story, 79 x 105 ft., stone and concrete, plain foundation, Kenwood Blvd. $200,000.

Minn., Minneapolis — Apartment — Young & Kennedy, 807 Andrus Bldg., having plans prepared by C. J. Bard, 2 North 10th St., 3 story and basement, 44 x 142 ft., rein.-con., brick, tile and stone, 1368 LaSalle Ave. $175,000.

Kan., Wichita—Home—York Rite Masonic Assn. having plans prepared by Eberson & Weaver, Orpheum Bldg., 6 story and basement, 75 x 134 ft., rein.-con. and brick, Market and William Sts. $375,000.

Mo., St. Louis—Apartment and Store—Local Syndicate, c/o F. J. Cornwall, 111 North 7th St., plans 5-story, 100 x 200 ft., rein.-con. and brick, plain foundation, Grand Blvd. and Botanical Ave. $500,000. Engineer and architect not selected.

Mo., Webster Groves—Apartment—O. Rosegren, International Life Bldg., St. Louis, plans several 6 story, 50 x 90 ft., fireproof construction, Lockwood Ave., here. $1,000,000. P. J. Bradshaw, International Life Bldg., St. Louis, archt.

Tex., Cleburne—Hotel—Cleburne Hotel Co. having plans prepared by H. O. Atkinson, archt. and engr., 806 Taylor St., Ft. Worth, 4 story and basement, $150,000.

Tex., Dallas—Home—C. C. Young Memorial Home (Methodist Church Property), having plans prepared by Dewitt & Lemon, engrs., Southwestern Life Bldg., 2 and 3 story and basement, rein.-con. and brick, plain foundation, Ft. Worth Pike. $200,000.

Tex., Dallas — Theatre — J. H. Yeargan, Jr., 4407 Live Oak St., takes bids in May, 3 story and basement, 75 x 105 ft., steel and brick, plain foundation, Masten, Bryan and Pacific Sts. $150,000. W. H. Keyser, 4615 Bryan St., archt. and engr.

Tex., Denison—Hotel—Denison Hotel Co., c/o Chamber of Commerce, had plans prepared 6 story and basement, 120 x 150 ft., rein.-con. and brick, plain foundation, Main St $300,000. Architect not announced.

Tex., Galveston—Bank and Office—A. C. Bossom, archt. and engr., 680 5th Ave., New York City, soon lets contract 10 story, 85 x 120 ft., concrete, steel and brick, for Texas Bank & Trust Co., Galveston. $750,000. Noted Jan. 25.

Tex., Texarkana — Theatre — Sanger Amusement Co. had plans prepared 3 story 120 x 150 ft., rein.-con. and brick, plain foundation, Broad St. $150,000. Engineer and architect not announced.

Tex., Tyler—Schools—Having plans prepared by De Witt & Lemmon, archts. and engrs., Southwestern Life Bldg., Dallas, junior high school with gymnasium, domestic science department, manual training, etc., also improvements in grammar school, rein.-con. and brick, plain foundations, $250,000. Noted Apr. 5.

Buildings (Continued)

Okla., Pawhuska—Hotel—C. A. and J. L. Duncan, had plans prepared by E. Forsblom, 305 Sedgwick Bldg., Wichita, Kan., 5 story, 52 x 190 ft., rein.-con. and steel. $200,000. Noted Aug. 17.

Wash., Tacoma—Church—First Baptist Church had tentative plans prepared by Heath, Gove & Bell, National Realty Bldg., church. $250,000.

Calif., Berkeley — School — Armstrong School for Private Secretaries, 2024 University Ave., had plans prepared and soon takes bids 2 story, rein.-con., Kittridge St. and Harold Way. $150,000. W. H. Ratcliff, Jr., 1st Natl. Bank Bldg., archt.

Calif., Glendale—Hotel and Apartment—Ambronini Hotel Co. having plans prepared by G. M. Lindley, American Bank Bldg., Los Angeles, 5 story and basement, rein.-con. To exceed $250,000.

Calif., Huntington Park—School—Huntington Park Union High School Dist. voted $500,000 bonds for new school buildings and equipment. Noted Mar. 1.

Calif., Los Angeles—Apartment—Russell & Alpaugh, archts., Story Bldg., preparing plans 4 story, 73 x 150 ft., brick, 6th St. and St. Andrews Pl. $200,000. Owner's name withheld.

Calif., Los Angeles—Office—R. Duncan, 1151 West 6th St., having plans prepared by Dodd & Richard, Brack-Shopps Bldg., 80 x 175 ft., rein.-con., St. Paul Ave. To exceed $250,000.

Calif., Los Angeles—Office—I. C. Frued, c/o Walker & Eisen, archts., Pacific Finance Bldg., having plans prepared 13-story, rein.-con., brick and terra cotta, Hill St. To exceed $500,000.

Calif., Los Angeles — School — Cumnock School for Girls, c/o A. S. Heineman, archt., San Fernando Bldg., had plans prepared brick and concrete, 3rd and Las Palmas Aves. $175,000.

Calif., Oakland—Bank and Office—American Bank, 16th St. and San Pablo Ave., plans 11 story and basement, annex, fireproof. To exceed $150,000. G. W. Kelham, Sharon Bldg., San Francisco, will probably be selected to design plans.

Calif., Oroville—Lodge, Store and Office—Oroville Lodge of Odd Fellows, plans 3 story and basement, (ultimately 6 story) fireproof. To exceed $150,000. Engineer and architect not selected.

Calif., Pasadena—Bank and Office—Pacific Southwest Trust & Savings Bank, Los Angeles, having plans prepared by Curlett & Beelman, Union Bank Bldg., Los Angeles, 8 story and double basement, 150 x 200 ft., brick, steel and terra cotta, here.

Calif., San Diego—Library—Voted $250,000 bonds constructing 2 wings to Central Library, also branch buildings in La Jalla, Ocean Beach and University Heights. F. A. Rhodes, city engr. Noted Feb. 8.

Calif., San Francisco—Store and Office—T. C. Kierulff, Balboa Bldg., had preliminary plans prepared by B. G. McDougall, 381 Bush St., 6 story and basement, rein.-con., Sansome St. near Pine St. $150,000.

Calif., San Francisco—Store and Office—A. F. Rousseau, French Bank Bldg., having plans prepared by D. C. Coleman, 110 Sutter St., 5 story and basement, fireproof, Market St. near 7th St. To exceed $150,000.

Calif., San Pedro—Store and Apartment—L. Del Carlo, c/o L. Jones, archt., Grosse Bldg., Los Angeles, having plans prepared 4 story, brick, here. $150,000.

Calif., Santa Monica—Apartment and Store—H. L. McMahan had plans prepared 3 story, 150 x 175 ft., brick, Santa Monica Blvd. To exceed $150,000. Engineer and architect not available.

Calif., Stockton — Auditorium — City to vote on an additional $200,000 bonds for auditorium. G. Allen, L. Stone and W. J. Wright, 41 South Sutter St., archts. Noted Apr. 5.

Que., Montreal — Hospital — Sisters of Providence, Hospital for Incurables, 149 Fullum St., plan to rebuild hospital recently destroyed by fire. $1,000,000.

Que., St. Anne de Beaupre—Church—Parish of St. Anne de Beaupre having plans prepared by M. Roison, Paris, France, J. F. Daoust St. James St., Montreal, and S. N. Audet, Sherbrooke, 192 x 312 ft. church with two 225 ft. steeples, 26 altars, etc. $1,000,000.

Ont., Ottawa—Bank—Bank of Nova Scotia, 116 Wellington St., soon takes bids 99 x 100 ft., Sparks St. $200,000. Engineer or architect not selected.

BIDS DESIRED

Conn., Bridgeport—Church—J. A. Jackson, archt., 185 Church St., New Haven, taking bids 1 story, 78 x 176 ft., brick, stone and steel superstructure, East Main St., for St. Charles Roman Catholic Church. $150,000.

Conn., New Haven—Orphanage—Norton & Townsend, archts., 839 Chapel St., taking bids group of buildings, rein.-con., steel and brick, plain foundation, Whitney Ave., for New Haven Orphan Asylum, c/o architects. $500,000. Noted Feb. 22.

N. Y., Buffalo—School—May 7, by Bd. Educ., 1401 Telephone Bldg., 2 story and basement, 114 x 220 ft., rein.-con., brick, stone and terra cotta, Parkside Ave. $500,000. Associated Buffalo Architects, 232 Delaware Ave., archts.

N. Y., Elmira—May 7, by Y. M. C. A., 322 East Market St., new concrete, brick and steel. $250,000. Pierce & Bickford, 120 Lake St., archts. Noted Mar. 16, 1922.

N. Y., Hornell—School—May 11, by Bd. Educ., rebuilding brick, Lincoln St., recently destroyed by fire. $240,000. Tooker & Marsh, 101 Park Ave., New York City, archts. and engrs. Noted Mar. 15.

N. Y., New York—Apartment—Fred F. French Co., 350 Madison Ave., will build 15 story, brick, steel and stone, plain foundation, Park Ave. Work will be done by separate contracts. Private plans.

N. Y., New York—Loft—Magoba Constr. Co., 103 Park Ave., will build 12 story, 77 x 100 ft., brick, steel and stone, plain foundation, 146-152 West 29th St. Work will be done by separate contracts. Springsteen & Goldhammer, 32 Union Sq., archts. and engrs.

N. Y., Old Forge—Schools—May 22, by Bd. Educ., brick, concrete and steel additions to Old Forge Grade School and high school in town of Webb. $150,000. Fuller & Robinson Co., 95th St., Albany, archts.

N. Y., Perry—Hotel—R. Smith, Pres. Chamber of Commerce taking bids brick, concrete, steel and terra cotta. To exceed $150,000. Dreher & Churchman, Otis Bldg., Phila. archts. Noted Mar. 1.

N. Y., Syracuse—High School—May 14, by Bd. Contr. & Supply for 19th Ward Junior high school, 3 story, 140 x 200 ft., rein.-con., brick and steel, Lafayette Ave. $480,000. T. H. Mather, City Hall, archt. and engr.

N. J., Bayonne—School—May 3, by Bd. Educ., 717 Bway., brick, steel and stone addition to Horace Mann School, plain foundation, Bway. and Ave. C. $250,000. Private plans.

N. J., Bergenfield—School—May 7, by Bd. Educ., Summit and Taylor Aves., new school. E. Sibley, archt.; adv. this issue.

N. J., Hightstown—High School—May 15, by Bd. Educ., 2 story, 45 x 165 ft. and 61 x 72 ft., brick, terra cotta and steel. $150,000. Guilbert & Betelle, 546 Broad St., Newark, archts.

N. J., Trenton—Exchange—J. T. Windrim, archt., Commonwealth Bldg., Phila., taking bids 7 story, 51 x 52 ft. and 2 story, 20 x 143 ft. additions, brick and stone, 216 East State St., here, for Delaware & Atlantic Telephone & Telegraph Co. $500,000.

Pa., Bryn Mawr—School—Baldwin School taking bids 2½ story and basement, 91 x 147 ft. rein.-con., brick, steel and stone, plain foundation. $500,000. Allen & Collins, 75 Newberry St., Boston, Mass., archts.

Pa., Clearfield—Church—May 10, by Building Com. West Side Methodist Church, 2 story and part basement, 85 x 135 ft. rein.-con., brick and steel, plain foundation, Nichols and New Sts. $150,000. C. G. Johnston, chn.

Pa., Derry—High School—May 5, by Bd. Educ., 3 story and basement, 110 x 120 ft. brick, rein.-con. and steel. $200,000. Bartholomew & Smith, Keenan Bldg., Pittsburgh, archts.

Pa., Harrisburg—Hotel—Penn Harris Hotel, c/o W. L. Stoddart, archt. and engr., 9 East 40th St., New York City, taking bids and opens same about May 1, brick, steel and stone. $500,000.

Pa., Phila.—Apartment—Sugarman, Hess & Barger, archts., 16 East 43rd St., New York City, taking bids 15 story and basement, 42 x 95 ft., rein.-con., brick, steel and stone, 19th and Rittenhouse Sts., for Rittenhouse Apartment Co., c/o architect. $2,000,000.

Pa., Phila.—Church—Stuckert & Co., archts., Crozier Bldg., taking bids 1 and 2 story and basement, 75 x 130 ft. rein.-con., brick, steel and stone, plain foundation, 50th and Locust Sts., for 1st Reformed Church, 4948 Locust St. $250,000.

Pa., Phila.—High School—May 5, by Bd. Educ., 19th and Chestnut Sts., 3 story and basement, 148 x 180 ft. rein.-con., brick and steel, plain foundation, Anne and Tulip Sts. $750,000. Private plans.

Pa., Pittsburgh—Gymnasium—May 1, by Carnegie Institute of Technology, Schenley Park, and H. H. Hornbostel, archt., Century Bldg., 3 story and basement, brick, steel and tile, Woodlawn Ave. $500,000. Noted Apr. 5.

Pa., Swarthmore—Apartment—Stuckert & Co., archts., Crozier Bldg., Phila., taking bids 3 story and basement, brick, steel and stone, plain foundation, Chester Pike, here, for Swarthmore Apartment House Co., $750,000.

O., Athens — School — May [illegible], by Bd. Educ., 2 story, rein.-con. and brick, plain foundation. $300,000. W. [illegible] Ittner, 911 Locust St., St. Louis, Mo., archt. Noted Feb. 22.

O., Cleveland — Apartment — Narosny & Libhaber, 3225 East 116th St., taking bids and open same about May 1, 4 story, 37 x 145 ft., brick and steel, 1824 East 97th St. $150,000. M. Weis, 617 Union Bldg., archt. Noted Apr. 5.

O., Cleveland — Store, Apartment and Theatre—J. H. MacDowell, archt., Bulkley Bldg., taking bids 2 story, brick, steel and concrete, Detroit Rd. and Bloomfield Ave., for Four Way Impvt. Co., c/o R. H. Thullen, mgr., National City Bldg. $150,000.

O., Cleveland—Store and Office—May 1, by S. H. White, archt., 1032 Schofield Bldg., 6 story, 43 x 132 ft., brick, steel and concrete, East 9th St. and Vincent Ave., for Vincent-East 9th St. Co., c/o M. Marmorstein, Ulmer Bldg. $300,000.

O., Columbus—School—May 26, by Bd. Educ., Town and High Sts., 2 story, 72 x 166 ft., brick and concrete, Lincoln Park. $175,000. H. D. Smith, 50 East Town St., archt. Noted Dec. 14.

O., Rock Creek—School—May 1, by Bd. Educ., 2 story and basement, 12 room, brick and concrete. $150,000. Fulton, Taylor & Cahill, 8120 Euclid Ave., Cleveland, archts. Noted Sept. 14.

Mich., Algonac—High School—Apr. 30, by R. T. Gilbert, secy. Bd. Educ. Dist. 1, 2 story and basement, 89 x 150 ft. rein.-con., brick and steel, plain foundation. $200,000. W. S. Holmes Co., Tussing Bldg., Lansing, archt.

Mich., Detroit—Apartment—May 1, by M. Hamburger, 535 Dime Bank Bldg., 4 story and basement, 125 x 168 ft. brick, steel and stone, plain foundation. C. N. Agree, 1133 Book Bldg., archt.

Ill., Chicago—Apartment—A. H. Quitsow, archt., 11 South La Salle St., receiving bids 3 story, 112 x 210 ft., rein.-con., brick and steel, Paulina St. near Thorndale St. $250,000. Owner's name withheld.

Ill., Chicago — Apartment — Steinborn & Simon, archts., 111 North Dearborn St., receiving bids 3 story and basement, 100 x 125 ft., rein.-con., brick and steel, Keeler St. and 5th Ave. $150,000. Owner's name withheld.

Ill., Chicago—Hotel—C. D. McLane, archt., 127 North Dearborn St., receiving bids 6 story, rein.-con., brick and steel, 4144 Sheridan Rd. $450,000. Owner's name withheld.

Ill., Chicago — Hotel — Realty Building Constr. Co., 177 North State St., receiving bids 4 story, 50 x 150 ft., rein.-con., brick and steel, 5047-49 Kenmore Ave. $150,000. R. Gregori, 155 North Clark St., archt.

Ill., Rockford—Apartment—A. H. Hecht, archt., 155 North Clark St., Chicago, receiving bids 6 story, 150 x 158 ft., rein.-con., brick and steel, Church, Mulberry and Peace Sts., here, $400,000. Owner's name withheld.

Ill., Rockford—Apartment—Eliel & Eliel, archts., Steward Bldg., receiving bids 3 story and basement, 136 x 260 ft., rein.-con., brick and steel, Seminary and South 3rd Sts., for E. Oppenheim, 218 South Main St. $250,000. Noted Mar. 29.

Wis., Appleton—Temple—Apr. 30 (change of date), by Appleton Masonic Temple Assn., and Leenhouts & Guthrie, archts., 424 Jefferson St., Milwaukee, 2 and 3 story, 62 x 104 ft. and 46 x 50 ft. steel and concrete, plain foundation. $150,000. Noted Apr. 12.

Wis., Milwaukee — School-Auditorium—Backes & Pfaller, archts., 216 West Water St., taking bids brick, tile and concrete, plain foundation, Center St., for St. Catherine Congregation, c/o A. C. Reichard, secy., 86 Mason St. $150,000. Noted Feb. 8.

Wis., Platteville—Temple—Melody Lodge 2, c/o J. Beuris Jr., taking bids 3 story, 90 x 100 ft., brick, rein.-con. and steel, plain foundation. E. Tough, Conklin Bldg., Madison, archt. Noted Mar. 29.

Wis., Pulaski — Church — May 17, by Church of Assumption of Blessed Virgin Mary, superstructure for 76 x 181 ft., brick and tile. $150,000. Worthmann & Steinbach, 155 North Clark St., Chicago, archts. Noted Dec. 14.

Wis., Racine — Auditorium — May 12 (change of date), by Bd. Pub. Wks., 1 and 2 story, brick and concrete, plain foundation, for Memorial Hall Assn., c/o Bd. Pub. Wks. $300,000. H. Shaw, 39 South State St., Chicago, archt. Noted Apr. 5.

Minn., Glen Lake (Hopkins P. O.) — Sanatorium—May 8, by Hennepin Co. Sanatorium Comn. and A. P. Erickson, and Hennepin Co. (Minneapolis), 6 story and basement, 40 x 180 ft. infirmary, employees building, addition to nurses home and 2 garages, rein.-con., brick and tile. $500,000. Rose & Harris, 318 Auditorium Bldg., Minneapolis, engrs. Sund & Dunham, 512 Essex Bldg., Minneapolis, archts. Noted June 22.

Buildings (Continued)

Kan., Kansas City—High School—May 7, by Bd. Educ., constructing North East Junior High School, 3 story and basement, 4th St. and Troup Ave. $350,000. Rose & Peterson, 432-440 Brotherhood Blk., archts.

N. D., Minot—Hospital—Apr. 30, by Trinity Lutheran Hospital Assn., 5 story and basement, 38 x 120 ft. rein.-con., brick, stone and tile. $150,000. G. H. Bugenhagen, Minot, archt.

Mo., Pleasant Hill—High School—May 3, by W. H. Saylor & Co., archts., 306 Mutual Bldg., Kansas City, rein.-con., brick, steel and stone, for Bd. Educ. $150,000. Noted Mar. 15.

Tex., Dallas—Hospital—J. H. Croseclose, supt. Dallas Methodist Sanitarium, taking bids 4 story and basement, rein.-con. and brick, plain foundation, Oak Cliff St. $1,500,000. De Witt & Lemmon, Southwestern Life Bldg., archts. Noted Nov. 16.

Okla., Tulsa—Office and Store—C. A. McDonald, archt., 405 Security Bldg., receiving bids 50 x 140 ft., rein.-con., brick and stone, Main and Arches St., for C. Tingley, Wright Bldg. $200,000.

BIDS RECEIVED

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York, Apr. 19, P. S. 100, 5 story, 178 x 195 ft., brick, steel and stone, plain foundation, West 3rd St. near Sheepshead Bay Blvd., here, from Concord Constr. Co., 476 Seneca Ave., $679,800. Noted Apr. 5.

N. Y., New York—Schools—Bd. Educ., 500 Park Ave., Apr. 19, P. S. 66, Jennings St. and Longfellow Ave., and P. S. 67, East 179th St. between Mohegan and Honeywell Aves., from G. Dekempie, $1,019,950 and $1,038,000 respectively; P. S. 70, Weeks Ave., from T. Dwyer, Bway. and 216th St., $1,070,000. All brick, steel and stone. Noted Apr. 5.

Pa., Brookville—Court House—Jefferson Co., remodeling and building 2 story and basement, 32 x 64 ft. addition, brick and steel, from H. J. Conrath, Ariel Bldg., Erie, $249,974. Noted Jan. 4.

O., Cincinnati—School—Bd. Educ., Mar. 26, Hartwell School, 2 story, 136 x 336 ft., brick, Springfield Pike, excavation, rein.-con. and carpentry work, from D. Meinken & Son, 2126 Western Ave., $176,344, add $3,120 for Campbell metal windows and credit $600 for omitting wood bases in class room, total contract $178,864; brickwork, hollow tile partitions, furring, and cut stone work, from E. A. Curry, 1855 Kinney W. H., $125,529. Noted Mar. 1.

O., Oxford — Dormitory — Bd. Trustees Miami University, 3 story, 80 x 250 ft., brick and concrete, from Woods Constr. & Supply Co., 427 Holland Bldg., Lima, $241,846. Noted Mar. 22.

Wis., Sheboygan — Hospital — Sisters of St. Francis, c/o J. C. Straub, dir., Springfield, Ill., 2 story, brick, rein.-con. and steel, plain foundation, here, from Wisconsin Eng. & Constr. Co., Wausau, $99,850. Noted Mar. 22.

Calif., Los Angeles—High School—Bd. Educ., group buildings, Wilshire Blvd., general contract, from Los Angeles Planing Mill Co., 1812 Industrial St., $316,580. Noted Apr. 5.

CONTRACTS AWARDED

Mass., Boston — Apartment — Audubon Realty Co., 18 Tremont St., will build four 5 story, brick and stone, plain foundations, Audubon Rd., by day labor. $750,000. Silverman, Brown & Heenan, 51 Cornhill, archts.

Mass., Boston—Church—Hellenic Assn. of Boston, 46 Winchester St., will build 3 story and basement, 86 x 119 ft., brick and steel, plain foundation, Parker and Ruggles Sts., by day labor. $250,000. H. Macropol, c/o owner, supt. of construction. H. S. Demoorjian, 340 Main St., Worcester, archt. Noted Oct. 19.

Mass., Lawrence—City Hall—Public Wks. Dept., brick and concrete city hall, to E. A. Peabody & Son, Bay State Bldg., $329,000. Noted Apr. 12.

Mass., Somerville—Apartment—J. A. and F. A. Walker, 460 Solen St., Medford, will build 5 story, 45 x 140 ft., brick and timber, plain foundation, Bway. and Main St., here, by day labor. $200,000. G. A. Cornet, 10 Central St., Lynn, archt.

Mass., Springfield — Station — Boston & Albany R.R., South Station, Boston, 2 story, 150 x 300 ft., brick, stone, steel and concrete, Liberty St., here, to D. O'Connells' Sons, 480 Hampden St., Holyoke. Archts. est. $4,000,000. Noted Dec. 28.

Conn., Hartford — Business — Golden-Storrs & Co., archts., 118 Asylum St., 4 story, 50 x 100 ft., brick, plain foundation, Garden St., to C. C. Kilby, Inc., Farmington Ave. Archts. est. $150,000. Owners name withheld.

N. Y., Buffalo—High School—Bd. Educ., 1401 Telephone Bldg., general contract Bennett High School, to C. H. Everitt, 295 Auburn Ave., $1,406,000; heating and ventilating, to Power Efficiency Corp., White Bldg., $197,785; plumbing, to J. J. Bresnahan, Inc., 462 Elk St., $69,898; electrical work, to Sanborn Electric Co., 309 North Illinois St., Indianapolis, Ind., $48,960.

N. Y., New York—Loft—Dorcoe Realty Co., c/o Sommerfeld & Steckler, archts. and engrs., 31 Union Sq., will build 14 story, 100 x 100 ft., brick, steel and stone, plain foundation, West 37th St., by day labor. $350,000.

N. Y., New York — School — St. Clare Parochial School, c/o Salvati & Le Quornick, archts. and engrs., 369 Fulton St., Brooklyn, 4 story, brick, steel and stone, plain foundation, West 36th St. between 9th and 10th Aves., to W. Kennedy Constr. Co., 215 Montague St., Brooklyn. Archts. est. $150,000.

N. J., Camden—Terminal—Philadelphia & Reading R.R., Reading Terminal, Phila., 42 x 115 ft. office, 105 x 328 ft. concourse, Y.M.C.A. building, power house, etc., here, to New York Shipbuilding Corp., Bway. and Fairview St. Archts. est. $2,000,000. Noted Sept. 28.

Pa., Monongahela—High School—Bd. Educ., 2 story and basement, 75 x 300 ft., Chess St., to J. G. Fullman, E. E. Trust Bldg., Pittsburgh. Archts. est. $200,000. Noted Feb. 8.

Pa., New Castle—Apartment—E. E. Hileman, North Jefferson St., will build 3 story, brick, steel and block, East Wallace and North Jefferson Sts., by day labor. $150,000. Earl & Altschuler, Dean Blk., archts. Noted Feb. 22.

Pa., Phila.—Clubhouse—B.P.O.E., Juniper and Wood Sts., 15 story and basement, 163 x 197 ft., rein.-con., brick and steel, caisson foundation, Broad and Wood Sts., to Cramp & Co., Denckla Bldg., $2,000,000. Noted Mar. 1.

Pa., Phila.—High School—West Phila. Catholic High School, 49th and Chestnut Sts., 3 story and basement, 108 x 248 ft., to F. V. Warren Co., 132 South 17th St., $450,000.

Pa., Phila.—Office and Store—Freeman & Co., 1509 Chestnut St., 6 story and basement, 45 x 115 ft., 1808 Chestnut St., to R. M. Peterson & Son, 6th Ave. and Queens Lane. Archts. est. $500,000.

Pa., Phila.—School—Bd. Educ., 19th and Chestnut Sts., 3 story, rein.-con., brick and steel, plain foundation, 17th and Moyamensing Sts., to W. R. Dougherty & Co., 1516 Sansom St., $486,471. Noted Apr. 12.

Pa., Phila.—Theatre—S. Borowsky, 1610 South Broad St., 2 story and basement, 40 x 170 ft. rein.-con., brick, steel and terra cotta, plain foundation, Fairmount Ave. and Lex St., to F. Claro, 5439 Webster Ave. Archts. est. $200,000.

Pa., Pittsburgh—Bank—City Deposit Bank, Penn and Center Aves., and Mowbray & Uffinger, archts., 56 Liberty Ave., New York City, 3 story and basement, 22 x 150 ft. addition, Penn and Center Aves., to A. & S. Wilson Co., 541 3rd Ave. Archts. est. $200,000. Noted Mar. 29.

D. C., Washington—Office—See "Industrial Work."

N. C., Kinston—Depot—Norfolk Southern Ry., Norfolk, Va., 50 x 114 ft. depot and 650 ft. sheds, brick and sandstone, for joint use of Norfolk Southern Ry., its subsidiaries and Atlantic Coast Line Ry., to R. L. Blalock, Kinston.

N. C., Washington—Schools—School Bd., 2 brick buildings, to Hancock & Davis, Beaufort, $155,768.

W. Va., Charleston—Office—See "Industrial Works."

Fla., Miami—High School—Dade Co. School Bd., 3 story, rein.-con., stucco and terra cotta, South West 7th Ave. and 3rd St., to G. Jahn, Miami (street address not available), $157,435.

Fla., Tavares—Court House—Lake Co., 4 story, 72 x 108 ft., rein.-con. and brick, to C. C. Hanner, Orlando, $205,836. Noted Mar. 29.

Ala., Gadsden—High School—City, high school (exclusive of excavation), to Baxter Bros., Huntsville, Ala., $130,000.

La., Baton Rouge—Schools—School Bd. of East Baton Rouge Parish, three 2 story, concrete and brick schools as follows, Highland School to J. V. and R. T. Burkes, Carondelet Bldg., New Orleans, $189,875; Queensboro School to Heineman & Quillon, Shreveport, $119,000; Cedar Grove School to Buchanan & Boone, Haynesville, $114,142.

Ky., Louisville—Club and Home—Elks Home, 8 story, 140 x 180 ft., rein.-con., 3rd and Chestnut Sts., to G. H. Rommel Co., 958 Logan St. Archts. est. $1,200,000. Noted Dec. 28.

O., Cleveland—Commercial—H. Guenther, 1733 Euclid Ave., 2 story and basement, 50 x 189 ft., brick, steel and concrete, 1510 Euclid Ave., to G. A. Rutherford Co., 2735 Prospect Ave. Archts. est. $200,000.

O., Cleveland — Hospital — City, 2 story and basement, 40 x 250 ft., brick and concrete, Warrensville Farm, to Central States Eng. & Constr. Co., 809 Union National Bank Bldg., $225,600. Noted Apr. 19.

O., Gambier — Dormitory — A. Garfield, archt., 913 National City Bldg., Cleveland, for Leonard Hall, 4 story and basement, brick and steel, here, to Norve & Norton, 806 South Ohio St., Columbus, for Kenyon College, c/o W. T. Pierce, pres. Noted Feb. 15.

O., Lakewood (Cleveland P. O.)—Schools—Bd. Educ., 1430 Warren Rd., 2 story and basement, 48 x 123 ft., brick, steel and concrete addition to Roosevelt School, Athens Ave., to J. Grant & Son, 4500 Euclid Ave., Cleveland, archts. est. $150,000; 2 story and basement, 68 x 123 ft., brick, steel and concrete addition to Harrison School, 2079 Dowd Ave., to Schirmer O'Hara Co., 2031 Euclid Ave., archts. est. $200,000. Noted Apr. 12.

O., Marietta—Bank and Office—Weary & Alford, archts., 1923 Calumet St., Chicago, 10 story and basement, 50 x 114 ft., brick, steel, stone and terra cotta, 2nd and Putman Sts., here, to S. M. Siesel, 16 Ogden Ave., Milwaukee, Wis., for Peoples Banking & Trust Co., Marietta. Archts. est. $400,000. Noted Mar. 22.

Mich., Detroit — School — Donaldson & Meier, archts., 1314 Penobscot Bldg., 2 story and basement, 120 x 220 ft. rein.-con., brick and steel, plain foundation, Seminole Ave., to F. N. Cooper, 6370 Gratiot Ave., for St. Catherines Parish, c/o architects. $250,000. Noted Mar. 29.

Mich., Detroit—School—St. Margarets Parish, Lemay and Warren Aves., masonry contract on 2 story and basement, 65 x 190 ft. rein.-con., brick and steel, plain foundation, to Moore & Brown, 400 Penobscot Bldg. Archts. est. $150,000. Noted Apr. 5.

Ill., Chicago—Apartment, Store and Office—H. B. Aarens, archt., 109 North Dearborn St., 2 and 3 story, 99 x 196 ft., rein.-con., brick and steel, 3759-67 North Racine Ave., to H. Sjoblom, 4220 North Western Ave. Archts. est. $300,000.

Ill., Chicago—Apartment—C. W. Carlson, 7240 South Park Ave., 3 story, 121 x 153 ft., rein.-con., brick and steel, 7235-45 Jeffery Ave., to A. T. Herlin, 6117 Evans Ave. Archts. est. $275,000.

Ill., Chicago—Apartment—Chicago Title and Trust Co., 69 West Washington St., 13 story, 87 x 109 ft., rein.-con., brick and steel, 622 Bittersweet Pl., to McLennan Constr. Co., 400 North Michigan Ave. Archts. est. $300,000.

Ill., Chicago — Apartment — Kaplan & Ritchie, 2153 West Division St., 3 story, 100 x 170 ft., rein.-con., brick and steel, to Schneider & Warshawsky, 1607 South Central Park. Archts. est. $250,000.

Ill., Chicago—Apartment—Sevins & Willens, 140 North Dearborn St., 3 story and basement, rein.-con., brick and steel, 5818-26 Glenwood Ave., to H. Sjoblom, 4220 North Western Ave. Archts. est. $150,000.

Ill., Chicago—Hotel—Holton-Seelye & Co., 140 South Dearborn St., 11 story, 75x137 ft., rein.-con., brick and steel, 6400-6408 South Woodlawn Ave., to H. Janisch & Co., 1813 Winona St. Archts. est. $750,000.

Ill., Chicago—Store and Apartment—D. Walker & Co., 6356 Cottage Grove Ave., 3 story, 42 x 206 ft., rein.-con., brick and steel, 6100-04 Drexel Blvd., to A. T. Herlin, 6117 Evans Ave. Archts. est. $200,000.

Ill., Evanston—Apartment—A. H. Quitsow, archt., 11 South La Salle St., Chicago, 3 story and basement, 94 x 156 ft., rein.-con., brick and steel, Hinman and Kedzie Sts., here, to H. Janisch & Co., 1813 Winona St., Chicago. Archts. est. $150,000. Noted Mar. 22.

Wis., Madison — Store — Kessinicks Co., 26 North Carroll St., general contract 4 story, 60 x 155 ft., brick, rein.-con. and steel, plain foundation, State St., to J. H. Findorff, 601 West Wilson St. Noted Apr. 12.

Wis., Milwaukee — Exchange — Wisconsin Telephone Co., 418 Bway., structural steel for 5 story, 120 x 120 ft., brick, steel and concrete addition, to Worden-Allen Co., Port Washington Ave. Total cost $500,000. Noted Mar. 29.

Wis., Milwaukee — Hotel — Second Street Co., c/o A. Richards, 90 Mason St., 4 and 11 story, 100 x 100 ft. and 100 x 100 ft., brick and concrete, plain foundation, 2nd St., to Raulf Co., 428 Grand Ave. Archts. est. $1,000,000.

Ia., Fairfield—School—Bd. Educ., general contract, high school addition and 2 grade schools, each 2 story and basement, brick, tile and stone, to J. H. Hunzinger & Co., Security Bldg., Davenport. Cost complete $150,000. Noted Mar. 15.

Minn., Chisholm — High School — Bd. Educ., 3 story and basement, 200 x 400

Buildings (Continued)

ft., rein.-con. and brick, general contract to Pfeffer Constr. Co., 412 Torry Bldg., Duluth, $548,000. Former contract rescinded. Noted Mar. 8.

Minn., Minneapolis — Bank — First National-Soo Line Co., 5th St. and Marquette Ave., 6 story and basement, 66 x 165 ft. addition, rein.-con., brick and tile, Bedford stone front, Marquette Ave., between 5th and 6th Sts., general contract to Madsen Constr. Co., 848 Builders Exchange, $300,000.

Minn., Minneapolis — Church — First Baptist Church and W. B. Riley, 10th St. and Harmon Pl., wrecking front of church to permit widening 10th St., and constructing addition at rear, brick and stone, 10th St. and Harmon Pl., to J. and W. A. Elliott, 907 Lumber Exchange, $150,000.

Minn., Minneapolis—Office, etc.—G. R. Newell Co., 1st Ave. N. and 3rd St., general contract 5 story and basement, 122 x 149 ft., rein.-con., brick and tile, 6th Ave. N. and 3rd St., to J. Peterson, 3152 10th Ave. S. Total $200,000. Noted Feb. 15.,

Mo., St. Louis—Bank—Mauran, Russell & Crowell, archts., Chemical Bldg., 5 story, 116 x 160 x 269 ft., gray granite and rein.-con., concrete pile foundation, Bway., to Westlake Contg. Co., Railway Exch. Bldg., for Eighth Federal Reserve Dist., Bway. and Pine Sts. Archts. est. $3,000,000.

Mo., St. Louis—Exchange—Southwestern Bell Telephone Co., Bway. and Locust St., general contract 4 story, 50 x 75 ft., rein.-con. and brick addition, Delmar Blvd., to Mid-Continent Co., 1132 Arcade Bldg. Archts. est. $150,000.

Ariz., Tucson—High School—Bd. Educ., 2 story, rein.-con., rein.-con. pile foundation, to E. C. English, 508 Citizens National Bank Bldg., Los Angeles, Calif. $468,800. Noted Mar. 29.

Ore., Portland—School—School Dist. 1, Administration Bldg., 2 story and basement, 175 x 184 ft., rein.-con., brick and stone, Pellegrove, 26th and 27th Sts., to H. J. Settergren, Railway Exch. Bldg., $204,306. Archts. est. $275,000.

Calif., Los Angeles—Hotel and Store—Kass & Ruben, 608 Bank of Italy Bldg., 4 story, brick, 2nd St., to L. T. Mayo, 531 Black Bldg., $150,000.

Calif., Los Angeles—Store and Office—R. Stern, c/o E. Frazier, archt., Regent Apartments, 10 story and basement, rein.-con., Hollywood St., to Heitman Constr. Co., Merrit Bldg., $725,000. Noted Apr. 12.

Calif., Santa Barbara — Office and Theatre—E. A. Johnson, 8 story, rein.-con. and steel, to C. M. Urton, Santa Barbara, $500,000. Noted Jan. 11.

Ont., Ottawa—Auditorium—Ottawa Auditorium Ltd., Sparks St., auditorium, O'Connor St., concrete, brick and steel finish to T. C. James, 130 Flora St.; steel framework to Dominion Bridge Co., Carleton Chambers. Archts. est. $175,000.

B. C., North Vancouver—Office and Store —See "Miscellaneous."

Federal Government Work

PROPOSED WORK

Fla., Jacksonville—Dredging—U. S. Engineer, rejected bids dredging and rock removal in Tampa Harbor. Noted Mar. 8.

Ky., Louisville—Steel Hull—U. S. Engineer, P. O. Box 72, plans 1 sectional steel hull, with vertical spuds 44 x 100 x 7 or 8 ft. for dipper dredge.

Ill., Rock Island—Derrick Boats—U. S. Engineer, Federal Bldg., plans 4 steel hull derrick boats.

Alaska — Bridge — Alaskan Eng. Comn., 422 Bell St. Terminal, Seattle, Wash., rejected bids 120 ft. steel truss over Noyes Slough. Noted Dec. 28.

BIDS DESIRED

N. J., Metuchen—Dredging—May 7, at office Constructing Quartermaster, 39 Whitehall St., New York City, dredging at Raritan Arsenal Dock, Raritan Arsenal, here; adv. this issue.

Pa., Phila.—Engine Testing Room—Spec. 4835—May 9 by Bureau Yards & Docks, Navy Dept., Wash., D. C., engine testing room at aircraft factory, here. Noted Apr. 19.

Del., Wilmington—Scows—May 21 at office U. S. Engineer, Wilmington, constructing 2 scows; adv. this issue.

Md., Perryville—Repairs—May 14 by Treas. Dept., Wash., D. C., repairs to medical officers residence 501, at P. H. S. Hospital, here. J. A. Wetmore, acting supervy. archt.

D. C., Wash.—Repairs—Spec. 4841—May 2 by Bureau Yards & Docks, Navy Dept., repairs to Marine Barracks and officers quarters, here.

Miss., Vicksburg—Steel Hull—May 22, at office Mississippi River Comn., 3rd Dist., P. O. Box 404, furnishing 1 steel motor-launch hull; adv. this issue.

Ky., Louisville—Hull, etc.—May 25 at office U. S. Engineer, P. O. Box 72, 1 steel hull maneuver boat and 2 steel needle flats. Noted Apr. 19.

Ky., Louisville—Metal Work—May 5, at office U. S. Engineer, P. O. Box 72, metal work for weirs for Dam 44, Ohio River; adv. this issue. Noted Apr. 19.

Ky., Louisville—Steel, etc.—U. S. Engineer, Louisville, receiving bids 500 bars soft steel, flat, and 380 bars soft steel, round, structural steel angles, etc., f.o.b. Addison, Ky.

Mich., Houghton—Post Office—May 21 by Treas. Dept., Wash., D. C., construction complete incl. mechanical equipment, U. S. Post Office, here. J. A. Wetmore, acting supervs. archt.; adv. this issue.

Ill., Chicago—Dredging, etc.—May 24, at office U. S. Engineer, 537 South Dearborn St., dredging and pier removal in Calumet Harbor and River, Illinois and Indiana; adv. this issue.

Calif., San Diego—Roads—Spec. 4766—May 23, by Bureau Yards & Docks, Navy Dept., Washington, D. C., concrete roads at Marine Corps Base, here. Noted Dec. 7.

H. T., Pearl Harbor—Refrigerating Machinery—Spec. 4767—June 13, by Bureau Yards & Docks, Navy Dept., Washington, D. C., refrigerating machinery, here. Noted Dec. 21.

H. T., Pearl Harbor—Storehouse—Spec 4692—May 23, by Bureau Yards & Docks, Navy Dept., Washington, D. C., 2 story, concrete tile and steel storehouse, at Naval Operating Base, here.

BIDS RECEIVED

N. Y., Chelsea—Ice-Making and Refrigerating Plant—Treas. Dept., Wash., D. C., ice making and refrigerating plant at U. S. Veterans Hospital, here, from Brunswick-Kraeschell Co., New Brunswick, N. J., $10,000 (90 days government specifications) (20 days bidders specifications). Noted Mar. 22.

Va., Norfolk — Wharf — Spec. 4777—Bureau Yards & Docks, Navy Dept., Washington, D. C., extension to timber Wharf C, at Navy Yard, here, (1) work complete, from T. A. Tatlerson, 411 West 13th St., (1) $32,320 (130 days) (2) add $1.25 deduct $0.09. Noted Mar. 8.

CONTRACTS AWARDED

Miss., Vicksburg—Metal, etc.—U. S. Engineer, Drawer 421, furnishing and delivering about 467,000 lb. structural metal for Locks and Dam 5 and 8, Cuachita River, La. and Ark., to C. Hegewald Co., New Albany, Ind., $39,359; erecting 4 steel gates at Dam 5 and modifying 2 steel gates at Dam 8, to Nashville Bridge Co., foot of Shelby Ave., Nashville, Tenn., $9,854. Noted Mar. 15.

Ky., Louisville—Cement—U. S. Engineer, P. O. Box 72, furnishing and delivering 62,000 bbl. portland cement for Dams 44 and 45, Ohio River, to Kosmos Portland Cement Co., 614 Marion E. Taylor Bldg., $155,000. Noted Apr. 19.

Tenn., Chattanooga—Lock Gates—U. S. Engineer, furnishing, delivering and erecting steel lock gates for Windows Bar Lock in Tennessee River, 56 mi. below here, to Penn Bridge Co., Beaver Falls, Pa., $31,475. Noted Mar. 29.

Ind., Newburg—Lock—U. S. Engineer, P. O. Box 72, Louisville, Ky., constructing Lock 47, Ohio River, here, to National Contract Co., 902 Citizens Bank Bldg., Evansville, $1,494,494. Noted Apr. 19.

Mich., Detroit—Dredging—U. S. Engineer dredging below locks in St. Marys River, 134,000 cu.yd. excav. with maximum allowable overdepth 113,000 cu.yd. to Duluth-Superior Dredging Co., foot of 45th Ave., W., Duluth, Minn., $226,695. Noted Apr. 5.

Mich., Detroit—Dredging—U. S. Engineer, dredging Vidal Shoals, St. Marys River, 102,000 cu.yd. sand, gravel and hardpan excav. with possible overdepth of 60,000 cu.yd. to Great Lakes Dredge and Dock Co., 104 South Michigan Ave., Chicago, $246,840. Noted Mar. 29.

Ill., Rock Island—Steel Hull—U. S. Engineer, Rock Island, steel hull for towboat "Elinor," to Howard Ship Yards & Dock Co., Jeffersonville, Ind., $19,737. Noted Mar. 22.

Neb., Mitchell—Tunnel, etc.—U. S. Recl. Serv., Mitchell, for Tunnel 3 and concrete lining approaches to same on Ft. Laramie Canal, North Platte Project, Nebraska-Wyoming, near Haig, to R. S. Morrow & Sons, 5006 Burt St., Omaha, $313,568. Noted Mar. 1.

Calif., Eureka—Stone—U. S. Engineer, Custom House, San Francisco, furnishing 80,000 ton stone for jetty construction at entrance to Humboldt Bay, here, to A. D. Kern, Exch. Bldg., Portland, Ore., $273,265. Noted Mar. 15.

Calif., Fremont—Weir—U. S. Engineer, 85 2nd St., San Francisco, concrete weir, near here, to Utah Constr. Co., Phelan Bldg., San Francisco, $842,321. Noted Mar. 22.

Miscellaneous

PROPOSED WORK

Cement — Hartford, Conn. — Street Dept. plans to purchase 400 bbl. cement. R. N. Clark, city engr.

Road Oil—New Britain, Conn.—Bd. Pub. Wks. plans to purchase 100,000 gal. road oil (about 50% asphalt base). J. D. Williams, city engr.

Swimming Pool—New Britain, Conn.—Bd. Park Comrs. plans swimming pool at Stanley Quarter Park. $50,000. Engineer not selected.

Transmission Line — New York — Utica Gas & Electric Co., 222 Genesee St., Utica, plans approximately 35 mi. 3 phase 60 cycle high tension transmission line from Oneida-Lewis Co. line through towns of Boonville, Steuben and Floyd, to Utica.

Gas Plant Improvements—Elmira, N. Y.—Elmira Water, Light & R.R. Co., plans laying new high pressure gas mains, installing automatic fuel handling equipment and addition to plant in general. $100,000. F. H. Hill, genl. mgr.

Conduits — Pennsylvania—Bell Telephone Co., 33 East Northampton St., Wilkes-Barre, plans to lay conduits in Hazel St. through Wilkes-Barre and on to Ashley, Sugar Run and Mauch Chunk.

Hydro Electric Plant—Andrews, N. C.—Bd. Aldermen Cherokee Co. authorized $350,000 bonds for hydro electric plant and dam in Hiawasse River, to develop 1,500 hp. Ludlow Engrs., Winston-Salem, engrs.

Electric Light System—Columbus, O.—See "Buildings."

Stadium—Bloomington, Ind.—University of Indiana plans stadium, 30,000 seating capacity, concrete or steel. $250,000. Address J. W. Cravens, secy. Engineer and architect not selected.

Levee Protection — Fairfield, Ill.—Union D.D., Fairfield, having preliminary plans prepared levee protection in Edwards and Wayne Counties. $200,000. Elliott & Harmon, 144 Fredonia Ave., Peoria, engrs.

Stadium — Madison, Wis.—University of Wisconsin making plans rein.-con. and steel addition to athletic stadium, 400 ft. long, curve 62 ft. wide, 28.6 ft. high at rear. $50,000. A. Peabody, Capitol Bldg., engr. Noted Mar. 22.

Foundation, etc.—Milwaukee, Wis.—Kenwood Methodist Episcopal Congregation, c/o Leenhouts & Guthrie, archts., 424 Jefferson St., soon takes bids plain foundation and excavation 2 story, 79 x 105 ft., stone and concrete, Kenwood Blvd. $200,000.

Transmission Line — Red Lake Falls, Minn.—Red River Power Co., South 3rd St., Grand Forks, N. D., plans line from here to Terrebonne, 28 mi. $32,000. W. H. Brown, mgr.

Levee, etc.—Larned, Kan.—Pawnee-Arkansas Valley D. D. having preliminary plans prepared levee and river control system to provide protection for 1,400 acres. C. E. Jacobi, 527 Shukert Bldg., Kansas City, Mo., engr.

Flood Protection—Wichita, Kan.—Sedgwick Co. Dist., Big Slough D.D. and Riverside D.D. 31, having preliminary surveys made flood protection for above districts. C. E. Jacobi, 527 Shukert Bldg., Kansas City, Mo., engr.

Levees—Charleston, Mo.—Levee Dist. 3, Cary Bird, Mississippi Co., voted $220,000 bonds to raise levees to 58 ft. level on Cairo Gauge, near here. Federal Government will double bond issue, while Missouri-Pacific and Cotten Belt Railroads agreed to donate $95,000. Total $550,000.

Fire Alarm System—St. Joseph, Mo.—Soon takes bids automatic electric fire alarm system with call boxes throughout city. $250,000. J. Seitz, City Hall, engr.

Pier — Santa Monica, Calif. — Santa Monica Pier Amusement Co., c/o W. L. Wollett, archt., Pacific Mutual Bldg., Los Angeles, plans amusement pier, incl. dance hall, theatre, etc. To exceed $500,000.

Levees—Yuba City, Calif.—Recl. Dist. 1660, c/o State Recl. Bd., Forum Bldg., Sacramento, soon takes new bids for levees, here. $1,000,000. Noted Apr. 19.

Electric Light and Power Lines—Ontario—Ontario Hydro Electric Power Comn., 190 University Ave., London, having plans prepared extending light and power lines from Sarnia to Corunna and Courtright. $42,000. E. R. Lawler, 190 University Ave., London, engr.

Breakwater—Port Burwell, Ont.—Plans to complete repairs to concrete superstructure of breakwater $17,000, repair existing structures $14,500, construct rubble mound breakwater extending 2,000 ft. into lake from outer end of existing breakwater, new east pier with widened entrance channel

Miscellaneous (Continued)

to inner harbor. K. M. Cameron, c/o Dept. Pub. Wks., Ottawa, acting ch. engr.

BIDS DESIRED

Car Barns—Waterbury, Conn.—See "Industrial Works."

Shaft, etc.—New York—May 18, by Bd. Estimate & Apportionment, City Hall, New York City. South St. Shaft at St. George, in Richmond Boro and for freight and passenger tunnel in Brooklyn and Richmond Boros and under New York Bay, New York City. J. F. Hylan, chn.; adv. this issue.

Bituminous Material—Albany, N. Y.—May 3, by F. S. Greene, comr. State Hy. Dept., Albany, bituminous material, Contr. 11. W. A. Patton, secy.; adv. this issue.

Steel—Flushing, N. Y.—May 8, by Transit Comn., 49 Lafayette St., New York, furnishing and erecting steel for part of Rapid Transit R.R., Flushing Route. Noted Apr. 12.

Paving Blocks—New York, N. Y.—May 3, by Bd. Purch., Municipal Bldg., granite paving blocks to Dept. Plant & Structures. G. A. Whalen, chn.

Subway—Rochester, N. Y.—May 9, at office of Bd. Contract & Supply, City Hall, about 5 mi. subway from Court St. to crossing of Rochester & Eastern Rapid R.R., Contr. 2. H. L. Davis, secy.; adv. this issue.

Tar, etc.—Trenton, N. J.—May 7, by State Hy. Comn., for tar, asphalt, bituminous concrete, sheet asphalt and crushed slag. A. L. Grover, ch. clk.; adv. this issue.

Heating and Ventilating System—Forest City, Pa.—May 3, by School Dist., heating and ventilating system in High School No. 3. $25,000.

Bituminous Material, etc.—Hollidaysburg, Pa.—May 3, by Comrs. Blair Co., furnishing 64,000 gal. bituminous materials for Plank, Catfish, Woodbury, Sinking Valley and Hollidaysburg roads, bids also on cut black cold patch materials f.o.b. in barrels or steel drums in carload lots. D. A. McCloskey, Hollidaysburg, engr.

Chimney—Norfolk, Va.—May 14, at office W. H. Taylor, 3rd, dir. Pub. Wks., for chimney. D. H. Maury, 1445 Monadnock Blk., Chicago, consult. engr.; adv. this issue.

Pier—Charleston, S. C.—June 1, by Port Utilities Comn., Room 712 Peoples Bldg., pier on Town Creek, Charleston Harbor. H. M. Gallagher, genl. mgr.; adv. this issue.

Gravel—Baton Rouge, La.—May 11, by State Hy. Comn., Reymond Bldg., furnishing f.o.b. cars at Pit, 48,128 cu.yd. sand clay gravel containing not less than 60 per cent stone retained on ¼ in. screen, or as an alternate 21,993 cu.yd. washed gravel and 26,135 cu.yd. sand clay gravel containing not less than 40 per cent stone retained on ¼ in. screen, for highway work. J. M. Fourmy, ch. engr.

Road Oil—Madison, Wis.—Taking bids approximately 50,000 gal. asphaltic road oil. E. F. Bunn, city clk.

Electroliers—Fresno, Calif.—May 3, by R. Y. St. George, city clk., furnishing and installing 99 electroliers in various streets. W. Stranahan, city engr. Noted Apr. 5.

Cement, etc.—Oroville, Calif.—May 7, by J. A. Wisner, secy. Oroville-Wyandotte Irrigation Dist., furnishing 10,000 lb. cement, 34,000 lb. steel bars for reinforcing concrete, one 42 in. Needle valve and 42 in. pipe outlets, one 18 in. standard valve and 18 in. pipe outlet and 66,000 ft. lumber. S. J. Norris, engr.

Fire Hydrants—Pasadena, Calif.—City receiving bids fire hydrants. $50,000. B. Chamberlain, city clk.

BIDS RECEIVED

Heating and Ventilating Apparatus, etc.—Brooklyn, N. Y.—W. H. Gompert, archt. of Bd. Educ., Flatbush Ave. extension and Concord St., Apr. 18, heating, ventilating and temperature regulation apparatus in P. S. 189, East New York Ave. between Rockaway Blvd. and East 96th St., from Austin Eng. Co., 124 West 42nd St., New York, $77,772. Noted Apr. 12.

Borings—New York, N. Y.—Transit Comn., 49 Lafayette St., Apr. 19, borings on sites of proposed Coney Island Yard, Boro of Brooklyn, proposed Westchester Ave. Yard, Boro of Bronx and along proposed extension to Bway.-4th Ave. R.R. in Central Park between 7th Ave. and Central Park W., Agreement C. I., from J. H. Edwards, Montgomery St., Jersey City, N. J., $10,088. Noted Apr. 12.

Steam Main—Cleveland, O.—For 2,140 ft. steam main under Carnegie Ave. extension, from T. M. Shand Co., Finance Bldg., $42,000. Noted Apr. 5.

Dock—Milwaukee, Wis.—Sewerage Comn., 508 Market St., 1,388 ft. pile and concrete dock around one end of sewage disposal plant, from W. W. Whitney, 216 West Water St., $138,768. Noted Apr. 5.

Granite Paving Blocks — Minneapolis, Minn.—For 2,000 sq.yd. granite paving blocks, from Wisconsin Granite Co., 1013 Chamber of Commerce, Chicago, $3.10 per sq.yd. Noted Apr. 12.

CONTRACTS AWARDED

Remodeling Park Buildings—Hull, Mass.—Golden & Stowe, 53 State St., Boston, will remodel buildings, etc., at Paragon Park, by day labor. $150,000. Private plans.

Bulkhead Wall—New York, N. Y.—Commissioner Docks & Ferries, Pier "A" North River, concrete bulkhead wall along Harlem River driveway between 165th and 193rd Sts., to Phoenix Constr. Co., 41 Park Row, $179,987. Noted Feb. 1.

Tar—Cincinnati, O.—Hamilton Co., 200,000 gal. Grade 1 tar, to Barrett Co., 517 Carr St., $0.1097 per gal. Noted Mar. 29.

Road Oil—Dayton, O.—Montgomery Co. 100,000 gal. road oil, to E. W. Light, Middletown, $7,900.

Cement—Waterloo, Wis.—For 6,000 bbl. cement, to J. A. Skalitzky, Waterloo, $2.50. Noted Feb. 22.

Piling, etc.—Beaumont, Tex.—For 1,102,950 ft. Douglas fir piling for 1,400 ft. wharf extension, to H. D. Davis Lumber Co., c/o N. N. Crary, 5 Weed Bldg., $72,461. Noted Jan. 25.

Floating Drydock — North Vancouver, B. C.—Burrard Drydock Co., c/o Wallace Shipyards, Ltd., 850 Hastings St. W., will build floating drydock, 15,000 ton capacity, 700 ft. pier, 50 ft. wide, 60 x 250 ft. machine shop, blacksmith shop, power house, stores, offices, etc., by day labor. $3,750,000.

Flume—Pentleton, B. C.—Provincial Government, Victoria, 15,000 ft. sheet metal zinc flume for irrigating land for Soldier Settlement at Oliver, delivered in 13 ft. sheets to form semi circular flume 8 ft. 4 in. diam., to A. C. R. Guill, 626 Pender St. W., Vancouver, $68,000.

Gas Mains—Point Grey, B. C.—Vancouver Gas Co. Ltd., 425 Carroll St., Vancouver, will lay gas mains, here, mostly by day labor. $100,000. J. Keillor, c/o owner, engr.

OFFICIAL PROPOSALS

Bids: May 15.

Sanitary Sewers

St. Petersburg, Fla.

Sealed proposals for the construction of sanitary sewers, located in 1st Alley South and 1st Alley North from 1st Street to 8th Street and 2nd Alley North from 1st Street to 6th Street, will be received at the office of the Director of Finance until 7:30 p.m., May 15, 1923.

Approximately 8,025 feet of 12-inch pipe and 1,643 feet of 10-inch pipe, 28 manholes.

Plans and specifications may be obtained from the Director of Finance.

Bidders must accompany their proposal with a certified check, payable to the Director of Finance, for not less than 5 per cent of their bid price.

The City reserves the right to reject any or all bids and to waive any or all technicalities in awarding contract.

H. T. DAVIS, Director of Finance.

Bids: June 1.

Pier

Charleston, S. C.

Sealed proposals will be received by the Port Utilities Commission of Charleston, S. C., at its office Room 712 Peoples Building until noon June 1, 1923, and then publicly opened for constructing a pier (exclusive of earth fill) on Town Creek, Charleston Harbor.

Specifications and proposal forms will be furnished to prospective bidders on deposit of $5, which will be refunded to depositors who submit proposals or return sets in good condition. Further information on application.

H. M. GALLAGHER,
General Manager.

Bids: May 3.

Paving and Storm Sewers

Mobile, Ala.

Sealed bids will be received by the Commissioners of the City of Mobile, Alabama, until noon, Thursday, May 3, 1923, for the following:

ONE COURSE SIX INCHES IN DEPTH CONCRETE PAVING (including grading)
Approximately ..... 3,390 sq.yd.
5 x 18 inches concrete curbing.
Approximately ..... 1,827 lin.ft.

ASPHALTIC CONCRETE PAVING—One and one-half inch surface on four inches of concrete (including grading)
Approximately ..... 11,510 sq.yd.
5 x 18 inches concrete curbing.
Approximately ..... 4,720 lin.ft.

SHEET ASPHALT PAVEMENT—One and one-half inch surface on one and one-half inch binder upon four inches concrete base (including grading)
Approximately ..... 4,953 sq.yd.
5 x 18 inches concrete curbing.
Approximately ..... 3,553 lin.ft.

STORM SEWERS

Vitrified or Concrete Pipe

Approximately—	6-inch pipe	300 lin.ft.
	10-inch pipe	1,119 lin.ft.
	12-inch pipe	3,037 lin.ft.
	15-inch pipe	2,663 lin.ft.
	18-inch pipe	1,932 lin.ft.
	21-inch pipe	250 lin.ft.
	Manholes	26
	Inlets	75
	Special basins	19

Plans and specifications can be seen at the City Engineer's Office. The right is reserved to reject any or all bids.

R. V. TAYLOR, Mayor.
WRIGHT SMITH, City Engineer.

Bids: May 17.

Storm Drains

Atlantic City, N. J.

Sealed proposals for the construction of extensions to the storm water drainage system for the City of Atlantic City, New Jersey, will be received by the Board of Commissioners of Atlantic City, when called for at Chambers of the Board in the City Hall, during a meeting to be held by that body at 3 p.m. on the seventeenth day of May A.D. 1923, at which time and place, during the session of the said Board, the proposals will be publicly opened and read.

The work to be done embraces the building of approximately 1,930 feet of reinforced concrete drains from 3 feet 6 inches to 4 feet 6 inches wide; 4,270 feet of brick and concrete drain from 27 to 36 inches in diameter; 8,500 feet of terra cotta drains from 12 inches to 24 inches in diameter; 8,000 feet of terra cotta inlet pipes from 10 to 12 inches in diameter, together with manholes, catch basins, storm-water inlets and the necessary timber and pile foundations; also 1 concrete bulkhead.

Each proposal submitted must be accompanied by a certified check drawn upon a National or State Bank or Trust Company, and to the order of City Treasurer of Atlantic City, for the sum of Five Thousand Dollars ($5,000).

Specifications and blank forms of proposal can be obtained of John W. Hackney, the City Engineer, and a full set of plans can be obtained from him for the sum of Ten Dollars ($10.00), such sum to accompany the order. This sum will be returned upon surrender of the plans in good condition.

The Board of Commissioners reserves the right to reject any or all bids as provided in the "Instruction to Bidders."

LOUIS A. STEINBRICKER,
Director of Streets and Public Improvements

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ADVERTISEMENTS ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE.

OFFICIAL PROPOSALS

(Continued from page 253)

Bids: May 21.

Bridge File Number 770901

MARINE CITY, COTTRELLVILLE TOWNSHIP, ST. CLAIR COUNTY MICH.

Lansing, Mich.

Sealed proposals will be received at the district office of the State Highway Department 1-2 Majestic Building, Port Huron, Michigan, until 12:30 o'clock p.m., Central Standard Time, Monday, May 21st, 1923, by Frank F. Rogers, State Highway Commissioner, for the superstructure, machinery, floor and backwalls of a 133 ft. swing bridge located on T. L. Route No. 27, on T. L. project No. 27-3, crossing Belle River, in Cottrellville Township, St. Clair County, on Bridge Street in Marine City, being bridge file number 770901.

DESCRIPTION: The general nature of the work to be done is as follows:

SUBSTRUCTURE now under Contract. Pivot pier and West abutment is complete and timber protection work at the pivot pier is under construction.

SUPERSTRUCTURE consists of one 135 ft. swing span with 24 ft. clear roadway and two 4-ft. cantilever walks and involves approximately 320,000 pounds of structural steel and 59,000 pounds of machinery.

FLOOR roadway section of reinforced concrete, involves about 65.7 cubic yards of concrete and 18,500 pounds of reinforcing steel. Cantilevered sidewalks and curb of creosoted lumber involves about 4.3 M. BM lumber.

ERECTION: To be erected on timber protection work at pivot pier.

General: Abutment backwalls and concrete spindle railing to be placed by superstructure contractor. Involves about 62.7 cubic yards of concrete.

Plans, instructions to bidders, specifications and proposal blanks may be obtained at the office of the State Highway Department, Lansing, Michigan. Plans will be furnished by the undersigned upon receipt of a deposit of ten ($10) dollars, which will be refunded upon their safe return. Only bids from fabricating companies will be considered.

A certified check in the sum of five hundred ($500) dollars, made payable to Frank F. Rogers, State Highway Commissioner, must accompany each proposal.

The right is reserved to reject any or all proposals.

FRANK F. ROGERS,
State Highway Commissioner.

Lansing, Michigan.
April 18th, 1923.

Bids: May 15.

Storm Water Drains

St. Petersburg, Fla.

Sealed proposals for the construction of storm water drains will be received at the office of the Director of Finance of the City of St. Petersburg, Fla., until 7:30 p.m., May 15, 1923.

Approximately 67,939 feet of 10-inch to 84-inch pipe and all inlets, manholes and special structures.

Plans and specifications may be obtained from the Director of Finance upon the deposit of ten dollars ($10.00) to secure the return of same in good condition within thirty days.

Bidders must accompany their proposal with a certified check, payable to the Director of Finance, for not less than 5 per cent of their bid price.

The City reserves the right to reject any or all bids and to waive any or all technicalities in awarding contract.

H. T. DAVIS, Director of Finance.

OFFICIAL PROPOSALS

Bids: May 7.

Street Paving

Oneonta, N. Y.

Sealed bids or proposals will be received by the Board of Public Works at the City Clerk's Office of Oneonta, New York, until 8 p.m., on the 7th day of May, 1923, for paving four (4) streets in said City.

The work consists of the following:

Excavation, 8,490 cubic yards; Catchbasins, 72; Manholes, 20; Curb Stone, 13,000 ft; Concrete Gutters, 372 cubic yards; Concrete Base for Paving, 5,200 cubic yards; 6 to 27 inch sewer pipe, 8,000 feet; Asphaltic Concrete Pavement, 28,000 square yards; Reinforced Concrete Pavement, 865 cubic yards.

Proposals must be accompanied by a certified check of five per cent (5%) of the bid. Plans and specifications may be had at the office of the City Engineer, Oneonta, New York. Price $5.00 per street.

The Board of Public Works reserves the right to reject any and all bids and waive any informalities.

Formal advertisement will be found in the Oneonta Star April 24-30, 1923, and May 7, 1923.

This is not a formal advertisement.

FRANK M. GURNEY,
City Engineer.
EDWARD L. SELLERS,
City Clerk.

Bids: May 23.

Steel Penstocks and Accessories

San Francisco, Calif.

OFFICE OF THE BOARD OF PUBLIC WORKS OF THE CITY AND COUNTY OF SAN FRANCISCO, APRIL 13, 1923.

Sealed proposals will be received at this office between the hours of 2:00 o'clock p.m. and 3:00 o'clock p.m. on Wednesday, the 23rd day of May, 1923 for:

Furnishing, delivering and installing steel penstocks and accessories for the Moccasin Creek Power Plant Contract No. 91, Hetch Hetchy Water Supply.

The work will be located near Groveland, Tuolumne County, Calif. Approximately 7,900 tons of riveted steel pipe or 6,000 tons of welded steel are required. Provision is made for division into two contracts for about 18 and 82 per cent of the whole respectively.

Specifications accompanied by proposal forms and official advertisement may be obtained from the office of M. M. O'Shaughnessy, City Engineer, City Hall, on deposit of $20.

By order of the Board of Public Works,
W. J. FITZGERALD,
Secretary.

Bids: May 8.

Street Paving

Peekskill, N. Y.

The Board of Trustees of the Village of Peekskill, N. Y., will receive bids for repaving with reinforced concrete, wood block or brick, certain streets in said village in accordance with the plans and specifications therefor, on file in the office of the Village Clerk, Municipal Building, Peekskill, N. Y. Estimated amount of yardage, 16,000 square yards. Bids to be sealed and left with the undersigned on or before 8 o'clock p.m., Tuesday, May 8, 1923, and must be accompanied by a certified check on a State or National Bank, payable to the order of the Treasurer of the Village of Peekskill, in the sum of five hundred dollars. Said check to be deposited as a guarantee of good faith that the contractor will enter into a contract with said village within the specified time should the work be awarded him.

The said Board of Trustees hereby reserves the right to reject any and all bids.

Dated, Peekskill, N. Y., April 24, 1923.

ALBERT E. CRUGER, Clerk.

OFFICIAL PROPOSALS

Bids: May 16.

State Hospital Work

Albany, N. Y.

Sealed proposals for Construction, Heating, Sanitary and Electric Work — Employees Home for Married Couples, and Construction, Sanitary and Electric Work —Dairy Barn and Silos, at the Utica State Hospital, Marcy Division, Marcy, N. Y., will be received by the State Hospital Commission, Capitol, Albany, N. Y., until 2 o'clock p.m. (Standard Time), Wednesday, May 16, 1923, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a deposit, consisting of a certified check drawn upon some legally incorporated bank in this State and made payable to the State of New York, or money, equal to five per cent (5%) of the amount of the proposal. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty (30) days after official notice of award of contract and in accordance with the terms of Specifications Nos. 4065, 4066, 4067, 4068, 4077, 4078 and 4079. The right is reserved to reject any or all bids. Drawings and specifications may be examined at the Utica State Hospital, Utica, N. Y.; at the New York Office of the Department of Architecture, Room 1058, 25 Broadway, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, SULLIVAN W. JONES, Capitol, Albany, N. Y.

Dated: April 20, 1923.

Bids: May 10.

Sewerage System and Disposal

Cuba, N. Y.

Sealed proposals will be received by the Board of Trustees of the Village of Cuba, N. Y., until 2 o'clock p.m., on the 10th day of May, 1923, for the construction of a sewerage system and sewage disposal works.

Plans may be seen and specifications obtained at the office of the Board at Cuba, N. Y., or at the office of Hopkins & Field, Engineers, 349 Cutler Building, Rochester, N. Y.

The Board hereby reserves and has the right to reject any or all bids or to accept the one that in its judgment will be for the best interests of the Village.

A surety bond satisfactory to the Board and in amount of $25,000 will be required of the one to whom the contract may be awarded.

A certified check, made payable to the order of the Board of Trustees, Cuba, N. Y., to the amount of $2,000 must be deposited by each bidder and accompany his bid as a guarantee that in case the contract is awarded to him, he will, within ten days thereafter, execute such contract and furnish his bond.

Bids must be sealed and addressed to the Board of Trustees, Cuba, N. Y., and marked on the outside of the envelopes, "Proposal for Sewerage System and Disposal Works."

H. W. EVANS,
President.
A. O. RENWICK,
Trustee.
H. J. DEMCEY,
Trustee.

H. M. SETCHEL, Village Clerk.
Dated Cuba, N. Y., Apr. 16, 1923.